

ORION

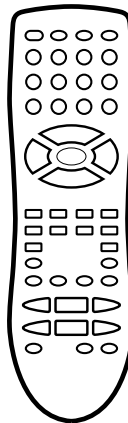
Instruction manual

Combination 10" TV and DVD Video Player TELETEXT



Region  discs only

MODEL:10DT



Before operating the unit, please read this manual thoroughly.

IMPORTANT

Unauthorized recording of copyright television programmes, films, video tapes and other materials may infringe on the rights of copyright owners and be contrary to copyright laws.

WARNING

To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

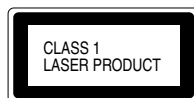
MAINS SUPPLY

This unit is designed to operate from AC 240V 50Hz household mains supply or from DC 12 V car cigarette lighter socket.

CAUTION:

THIS UNIT IS A CLASS 1 LASER PRODUCT. HOWEVER THIS UNIT USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE PLAYER CORRECTLY AS INSTRUCTED.

THE FOLLOWING CAUTION LABEL IS LOCATED ON THE REAR PANEL OF THE UNIT.



WHEN THIS UNIT IS PLUGGED INTO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENING OF THE DISC TRAY AND OTHER OPENINGS TO LOOK INTO THE INSIDE OF THIS UNIT.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

HQ

This unit is equipped with HQ (High Quality) recording capability. A built-in detail enhancer is used to boost the recorded signal for cleaner, sharper images and maximum picture playback.

FEATURES

TV

- 240V AC or 12V DC Operation
- Auto Channel Memory
- TELETEXT Function
- On-Screen Programming
- Picture Control Adjustments
- Auto Power Shut Off
- On Screen 5 Language Display
- Sleep Timer

DVD Player

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- Digital Audio Jack (Coaxial)
- Multi-Language
- Multi-Angle
- Repeat Playback
- Memory/Random Playback
- Zoom
- Video Aspect Ratio
- Parental Control
- Digital output for Dolby Digital (AC-3) and DTS
- Playback of DVD and Audio-CD
- PAL & NTSC DVDs playback
- A-B Repeat playback

ADVANCED FUCTION OF DVD SECTION

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* This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation or other rights owners and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation or other rights owners. Reverse engineering or disassembly is prohibited.

* Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. © 1992-1997 Dolby Laboratories. All rights reserved.

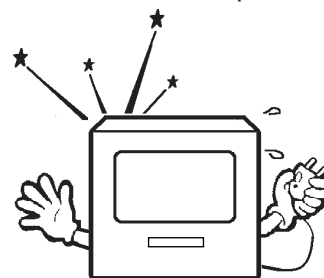
* "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

* Unauthorized recording of copyrighted television programs, films, video cassettes and other materials may infringe the rights of copyright owners and be contrary to copyright laws.

PRECAUTIONS

Under certain conditions, such as low humidity or walking across wool carpet, you may experience a static discharge when touching the unit. If this happens and it fails to function, follow the procedure below.

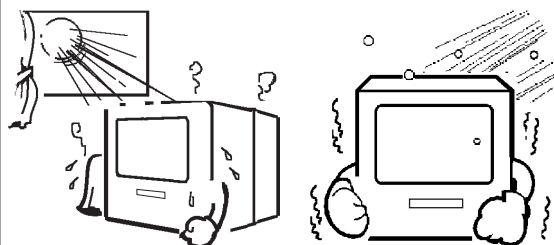
- 1) Un-plug the unit from the AC outlet.
- 2) It may take two to three hours for the static build up to clear.
- 3) Re-plug the unit again.



Do not place the unit on or near appliances which may cause electromagnetic interference eg. TV or hi-fi speakers, etc. Doing so may affect operation of unit causing erratic playing or recording, picture or sound distortion, or noise.



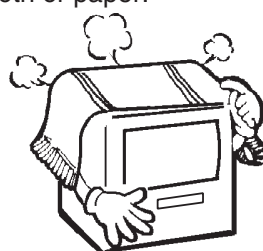
Avoid extreme heat and cold.



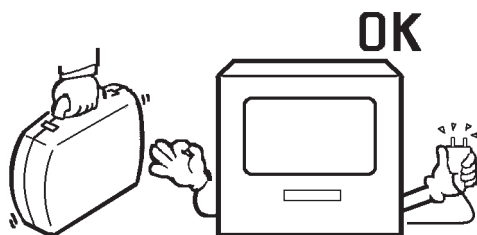
Keep the unit away from flower vases, sink etc. Liquids spilled into the unit can cause serious damages. Switch OFF the Power Supply to the unit and consult a qualified service engineer before attempting to use the unit again.



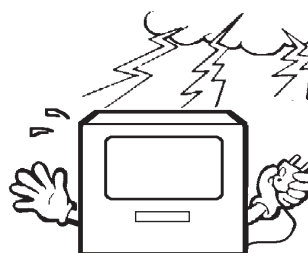
The ventilation holes prevent overheating. Do not block or cover these holes. Especially avoid covering the holes with soft materials such as cloth or paper.



When you leave your home for a long period of time, unplug the AC mains lead.

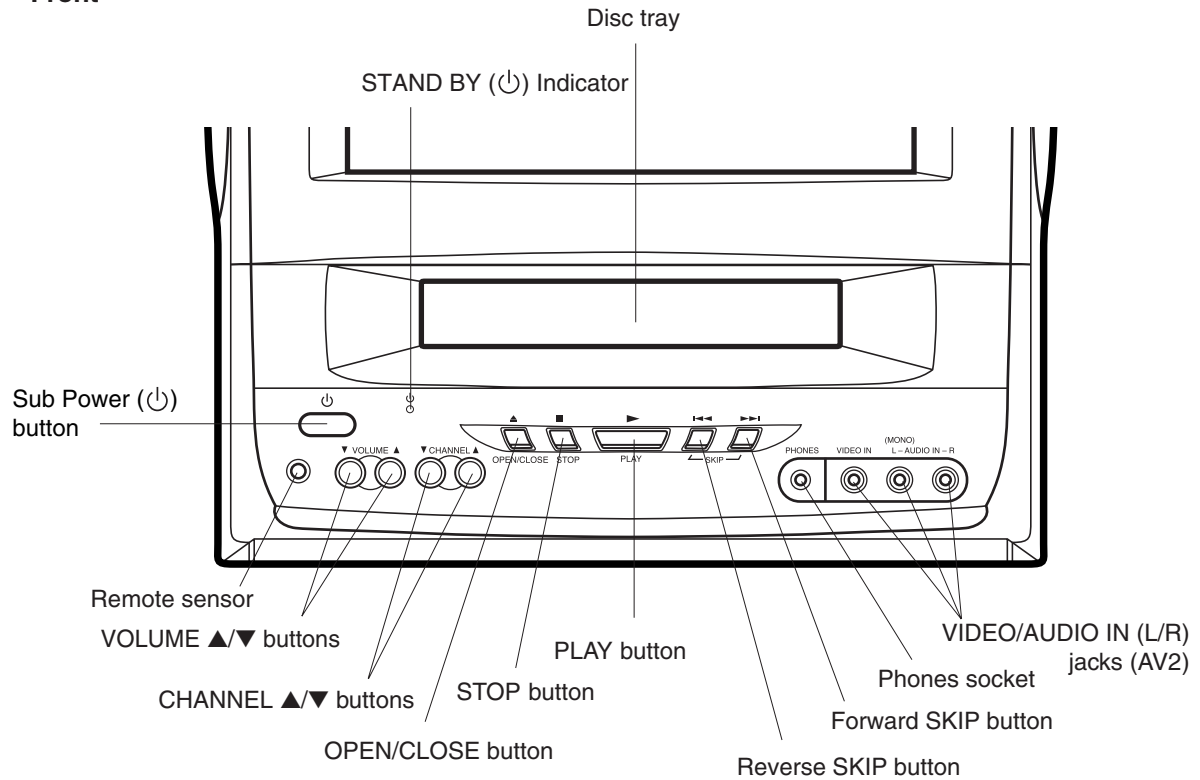


To protect the unit during a thunder storm, unplug the AC mains lead from the wall outlet and disconnect the antenna.

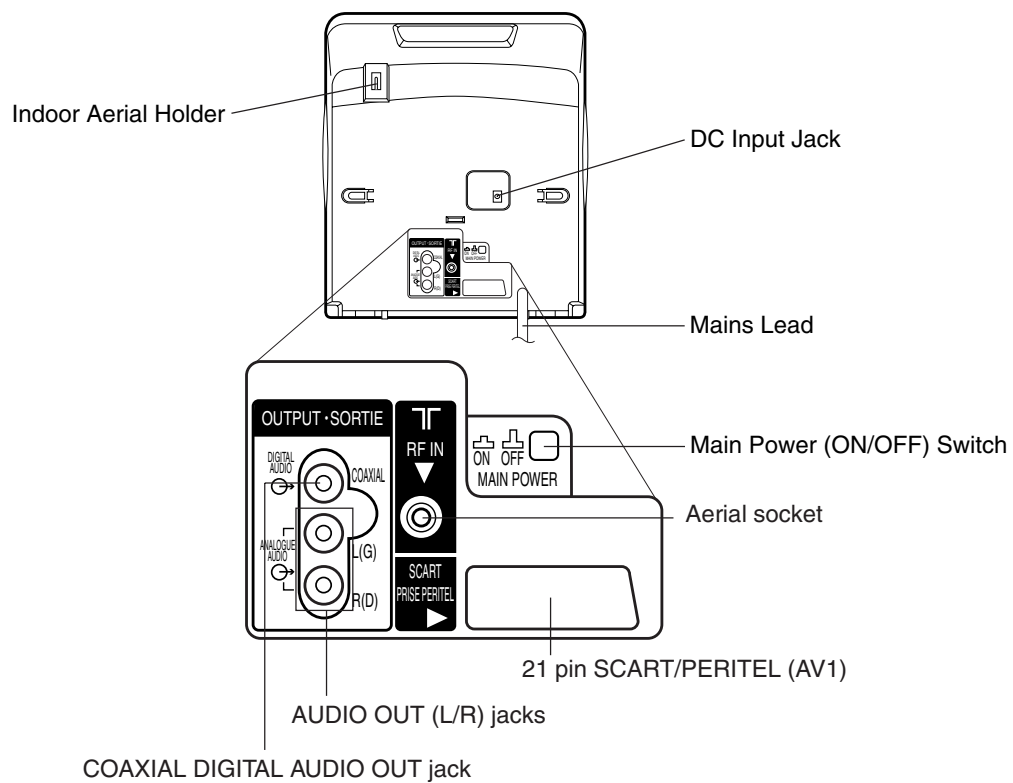


LOCATION OF CONTROLS

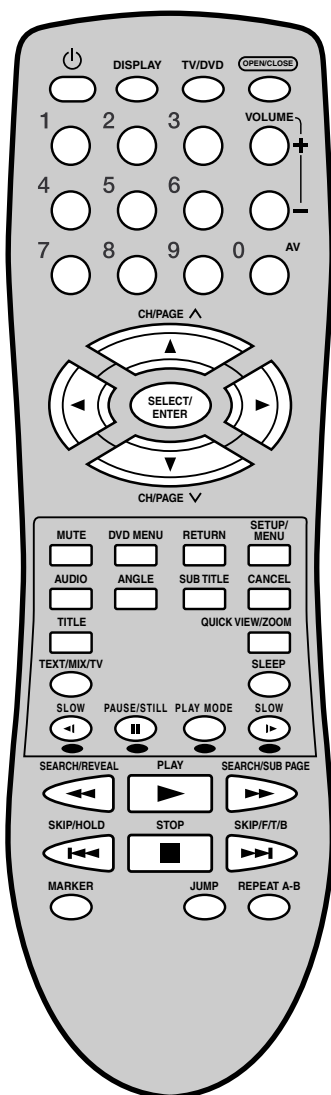
Front



Rear



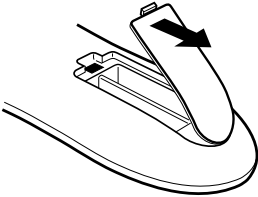
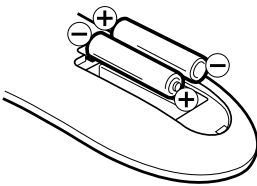
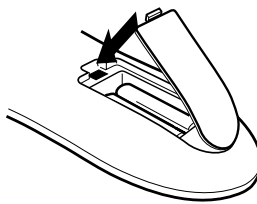
REMOTE CONTROL



		page
	Sub Power on/off	6,13,21,23
DISPLAY	Display TV or DVD operation status	14,21
TV/DVD	Select to operate TV or DVD	8,9,13,21,22
OPEN/CLOSE	Open or Close the tray	23,34
0-9	Direct channel selection of TV	13
	Input setting	25,26
	Enter a security code	32,33
VOLUME +/-	Volume Up/Down	13,14
AV	Scart Input or AV-Front input	8,14
CH/PAGE ^/v	Select channel of the TV	13,14
	Utilize the teletext	19
▲ / ▼ / ◀ / ▶	Cursor buttons	
SELECT/ENTER	Enter information in the menu/Select option in the menu	
MUTE	Mute	14
DVD MENU	Select menu of a DVD disc	29
RETURN	Remove DVD set up menu	22,30~34
SETUP/MENU	Display menu of setup	9~12,15~16,22,30~33
AUDIO	Change sound track language of DVD	28
ANGLE	Change playback angle of a DVD disc	29
SUB TITLE	Set Subtitle of a DVD disc	28
CANCEL	Cancel input data in the setting mode	14,15,25~27,32~34
TITLE	Select title of a DVD disc	29
QUICK VIEW/	Quick view	14
ZOOM	Zoom (for DVD playback)	25
TEXT/MIX/TV	Select teletext	18,19
SLEEP	Sleep timer	14
SLOW ◀ ▶	Slow motion playback	24
Four Coloured buttons	Access the Teletext	18
PAUSE/STILL	Still picture	24
PLAY MODE	Select playback mode	26
SEARCH ◀◀/▶▶	Reverse search or Forward search playback	24
REVEAL	Reveal	19
PLAY	Playback	23,24,26,29,34
SUB PAGE	Sub page	19
SKIP ◀◀/▶▶	Skip chapter to forward or reverse direction	24
HOLD	Hold	18
STOP	Stop	23,26
F/T/B	F/T/B	19
MAKER	Index for DVD	27
JUMP	Locating desired scene	25
REPEAT A-B	Repeat playback between A and B (DVD/CD)	26

REMOTE CONTROL

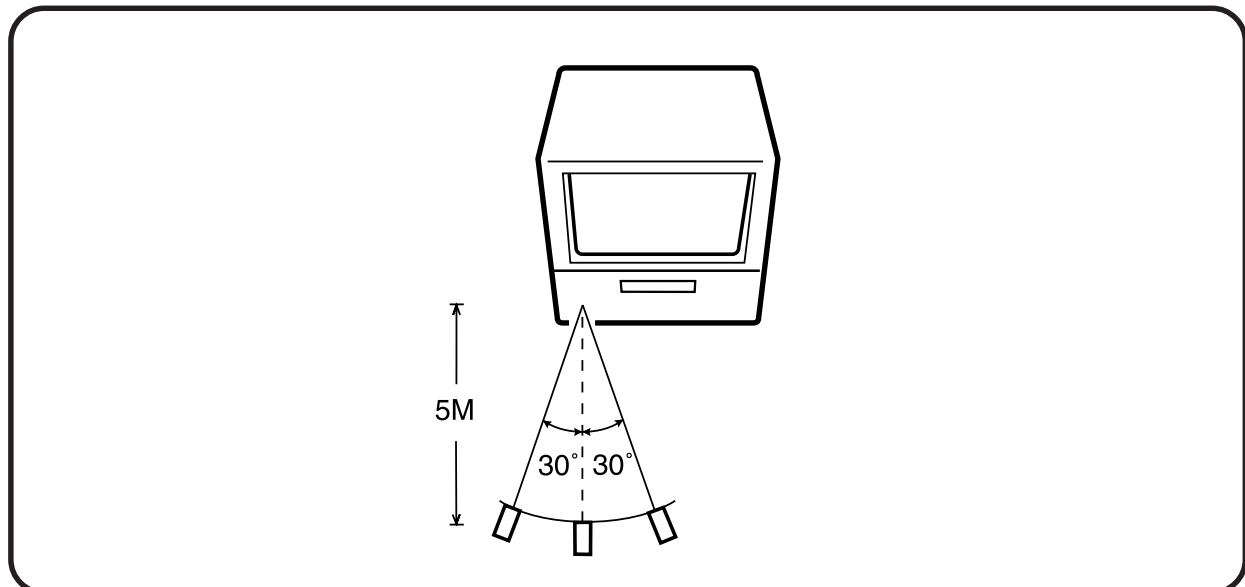
BATTERY INSTALLATION

1 Open the battery compartment cover in the direction of the arrow. 	2 Install two “AAA/R03/UM-4” (penlight size) batteries, paying attention to the polarity diagram in the battery compartment. 	3 Replace the cover. 
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BATTERY CAUTIONS

- Use two “AAA/R03/UM-4” size penlight batteries for the remote control transmitter.
- The batteries may last approximately one year depending on how much the remote control is used. For best performance it is recommended batteries be replaced on a yearly basis, or when remote operation becomes erratic.
- Do not mix old and new batteries.
- Weak batteries can leak and severely damage the remote control transmitter. Always remove batteries as soon as they become weak.

EFFECTIVE DISTANCE OF THE REMOTE CONTROL TRANSMITTER



- NOTES:**
- When direct sunlight, an incandescent lamp, fluorescent lamp or any other strong light shines on the remote sensor, the remote operation may be unstable.
 - When there is an obstacle between the unit and the transmitter, the remote control transmitter may not operate.

AERIAL CONNECTIONS/POWER SOURCES

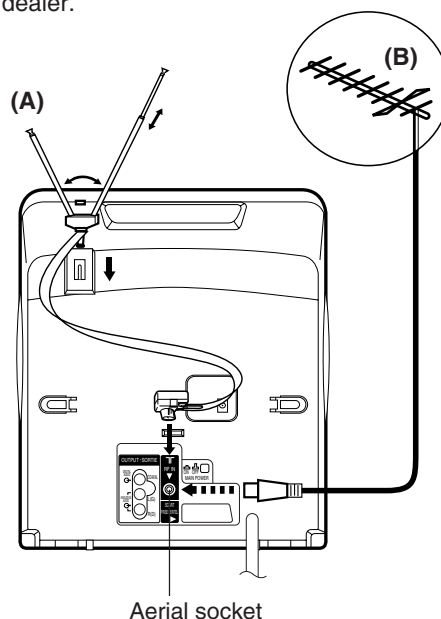
Connect an indoor or outdoor aerial to the aerial socket at the rear panel as shown below.
For all aerial circuit problems, please consult your local dealer.

(A) INDOOR AERIAL

If an external aerial is not available, the telescopic aerial (supplied) may be used in areas of good TV reception. Adjust position for best reception.

(B) EXTERNAL AERIAL

The type of aerial required depends on the position of your home, its distance from the transmitter and local interference. If you do not have an aerial and you are uncertain of what to buy, you should seek the advice of a local aerial contractor.



TO USE AC POWER

Use the AC line cord provided for operation on AC. Insert the AC cord plug into 240V 50Hz AC outlet. Press MAIN POWER switch on the back panel, the red standby indicator will light. Turn on your unit by pressing Sub Power (⏻) on the front panel or on the remote control, the red standby indicator goes off.

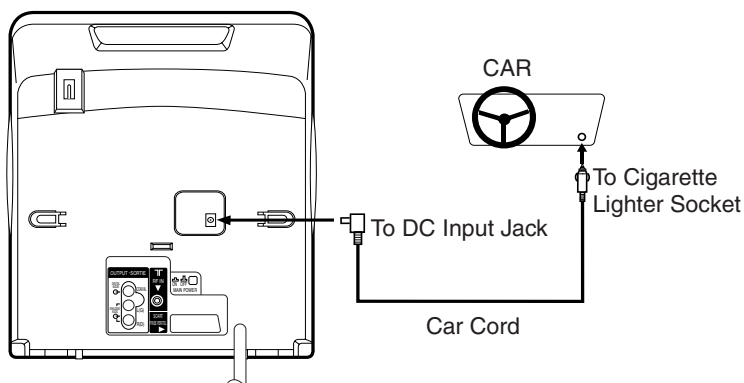
TO USE DC POWER

By using the DC car cord supplied with the unit, you can operate this unit from a cigarette lighter socket in any car that utilizes a negative ground system.

The fused 12V DC car cord has been designed to power the set from the external DC power (12 volt negative ground) through the unit's DC input jack.

Connect the smaller plug on the end of the cord to the DC input jack on the rear of the unit, then insert the other end of the car cord into the cigarette lighter socket of your car. The red standby indicator will light.

It is not necessary to switch the main power switch to ON. Switch on your unit by pressing Sub Power (⏻) on the front panel or on the remote control, the red standby indicator goes off.



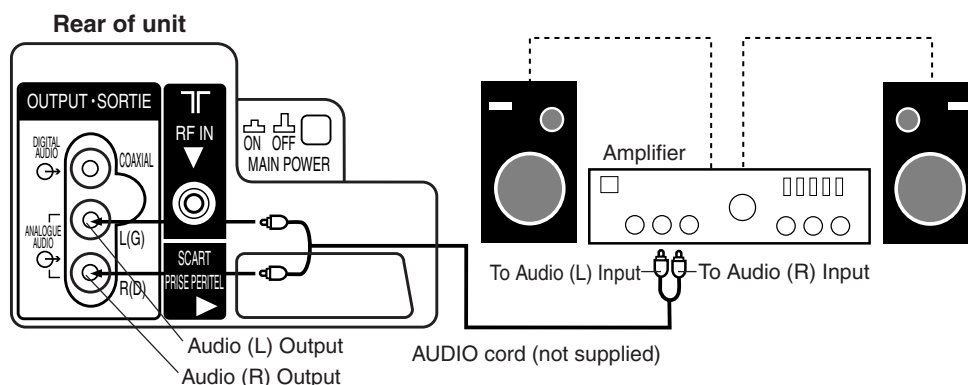
WARNING: Never watch the unit while driving the vehicle.

- NOTES:**
- When the unit is not in use, always disconnect it from the car cigarette lighter socket to avoid a battery drain.
 - Do not operate the unit if the car battery is weak. Peak current from the car alternator could blow the DC fuse.
 - The unit will still consume Power when in STANDBY mode.

CONNECTION TO OTHER EQUIPMENT

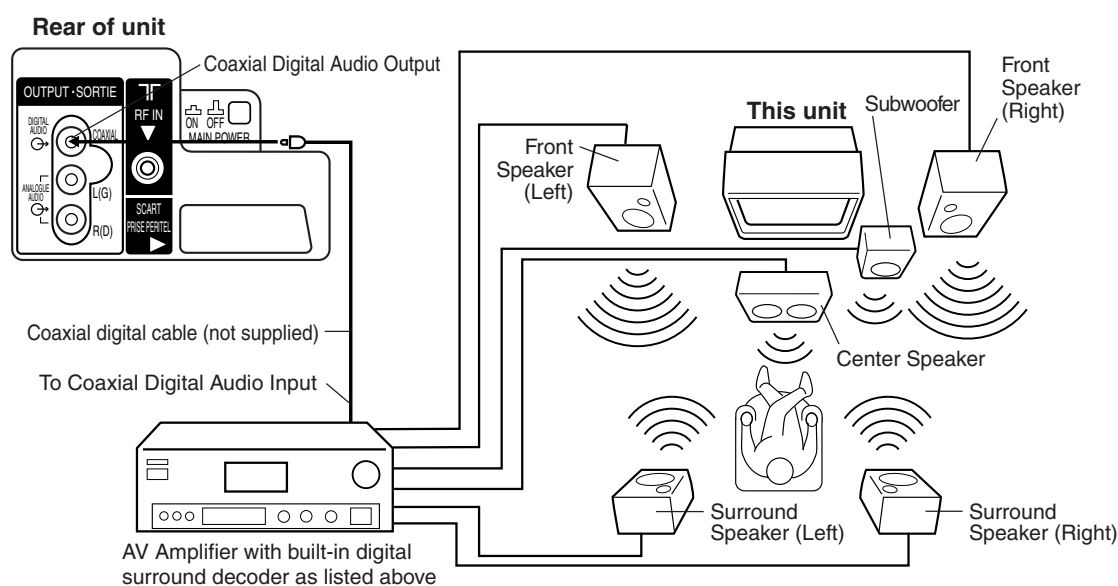
The exact arrangement you use to interconnect various video and audio components to the unit is dependent on the model and features of each component. Check the Owner's Manual provided with each component for the location of video and audio inputs and outputs.

Using an Audio Amplifier



Using an AV Amplifier with built-in digital surround

If you are using an Amplifier with a built-in digital surround sound decoder (such as Dolby Digital / DTS / MPEG / etc.), you can connect it as shown below.



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* DTS and DTS Digital Out are trademarks of Digital Theatre Systems, Inc.

NOTES:

- When you make the connections above, make sure that the power of all units is switched off at the mains.
- Some DTS decoders which do not support DVD-DTS interface may not work properly with the unit.
- When playing DTS encoded material, the sound will only be available through the Digital Audio Output Socket.

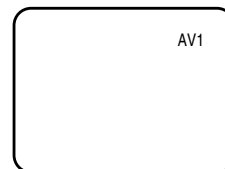
CONNECTION TO OTHER EQUIPMENT

Input Selection

If you connect the unit to a VCR, camcorder or games console, you can select this input by pressing the **AV** button.

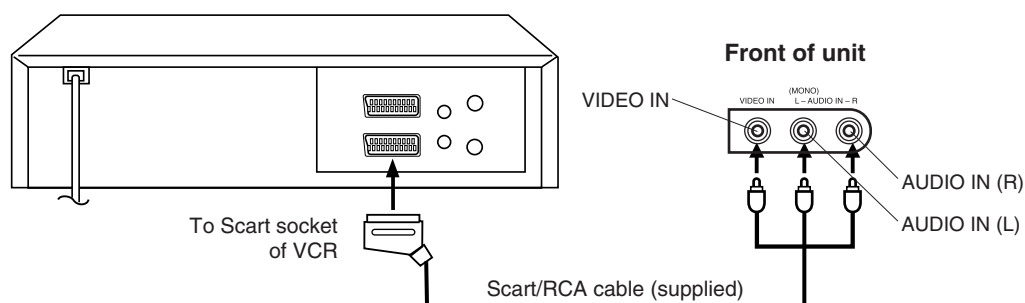
Press the **TV/DVD** button to select TV mode and then press the **AV** button repeatedly to select AV1 or AV2.

AV1(Scart socket)
↓
AV2(Front-AV-input)
↓
TV-program



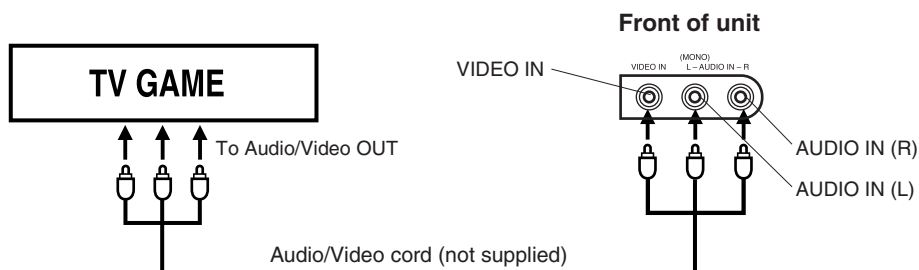
1. To connect the unit to a VCR

Press the **AV** button to select AV2 to use the TV as a monitor.



2. To connect the TV to a TV Game

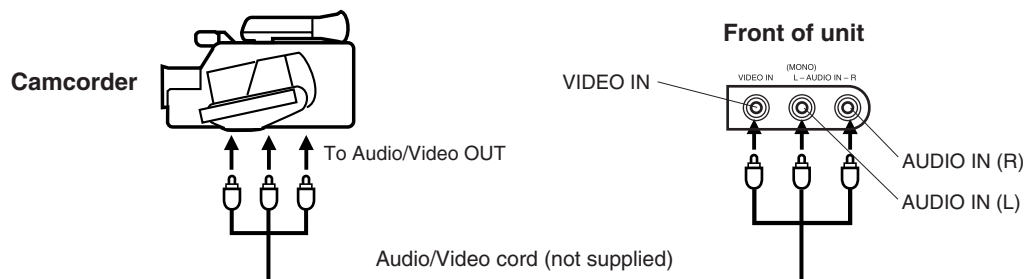
The unit can also be used as a display device for many video games. However, due to the wide variety of different types of signal generated by these devices and subsequent hook-up variations required, they have not all been included in the suggested connection diagrams. Press the **AV** button to select AV2 to use the TV as a monitor. You'll need to consult each component's Owner's Manual for additional information.



3. To connect the TV to a camcorder

Connect the camcorder to the unit as shown.

Press the **AV** button to select AV2 to use the TV as a monitor.



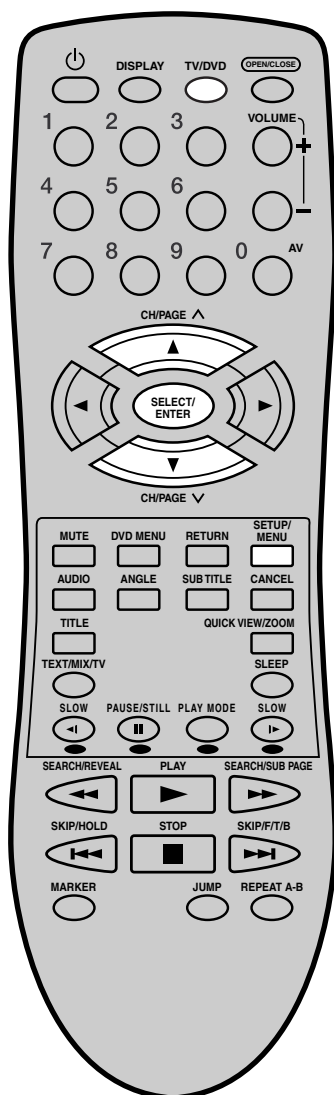
4. To connect the unit to another TV set (ie. a widescreen set)

Connect the unit and another TV set with a Scart cable.

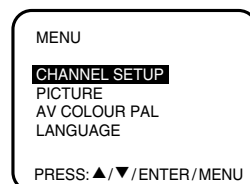
Press the **AV** button to select AV1 to use the TV as a monitor (see P.14).

LANGUAGE SETTING

This unit has 5 different languages for MENU set up which can be selected through ON Screen Display: English, German, French, Italian or Spanish.



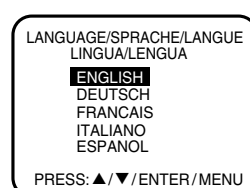
- 1 Press **TV/DVD** to select TV mode. Then press **SETUP/MENU**.



- 2 To select the LANGUAGE mode, press **▲** or **▼**, then press **SELECT/ENTER**.



- 3 To select the desired language, English (ENGLISH), Spanish (ESPAÑOL), French (FRANCAIS), German (DEUTSCH) or Italian (ITALIANO), press **▲** or **▼**. Then press **SELECT/ENTER**.



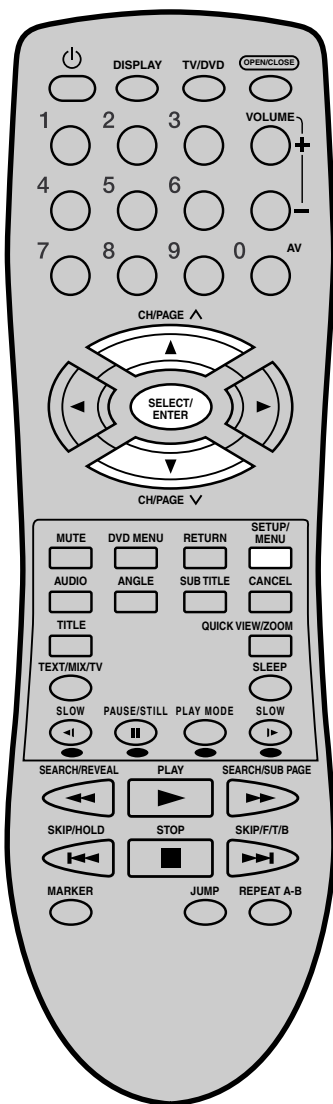
- 4 Press **SETUP/MENU** to return to the normal TV screen.

NOTE:

If you are using this unit for the first time, step 1 and 2 of the MENU screen will not be shown. The Language selection menu will be shown.

PRESETTING THE CHANNELS

Once you have connected up this unit, you will need to tune in the channels in order to watch TV stations. There are two ways that you can do this:



NOTES:

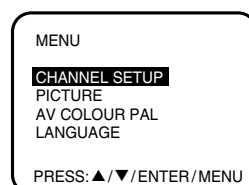
- If you want to skip any channels, refer to page 14.
- When the unit is in the AV mode, you can't preset the channels.

- **Automatic tuning** The stations will be preset in the order that they appear when the automatic tuning is activated.

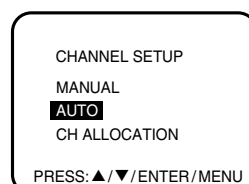
- **Manual tuning** In this mode the TV searches until a picture appears. If it is a station that you want to keep, you can choose which channel preset you want to store it on. You repeat this procedure for each station until you have stored all the desired stations.

AUTOMATIC TUNING

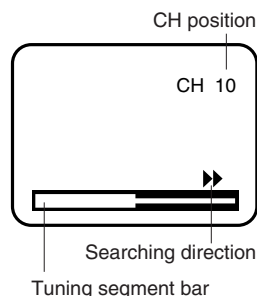
1 Press **SETUP/MENU**.
Press **▲** or **▼** to select the **CHANNEL SETUP** mode, then press **SELECT/ENTER**.



2 Press **▲** or **▼** to select the **AUTO** mode, then press **SELECT/ENTER**.



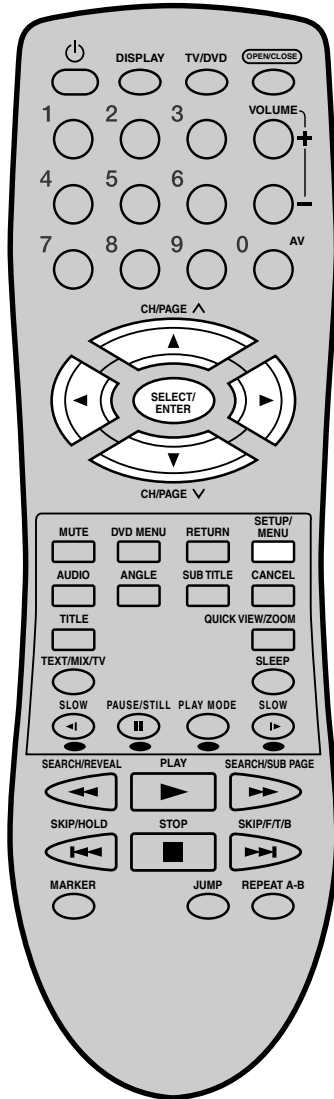
3 All available channels in your area are automatically scanned and stored in the memory of the unit. When the unit finds a broadcasting channel, the **▶▶** mark disappears. After scanning, the previous step 2 screen appears.



4 Press **SETUP/MENU** twice.
The unit will return to normal TV screen.

5 The automatic tuning will not necessarily store the channels in the correct order (BBC1 on CH 1 etc.) If you want to change the order of the stored channels, please see page 12.

PRESETTING THE CHANNELS



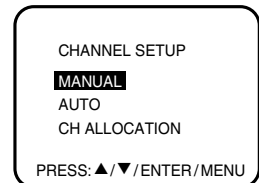
MANUAL TUNING

How to tune a station to channel 10 position.

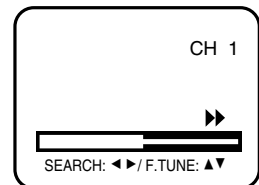
- 1 Press **SETUP/MENU**.
Press **▲** or **▼** to select the **CHANNEL SETUP** mode, then press **SELECT/ENTER**.



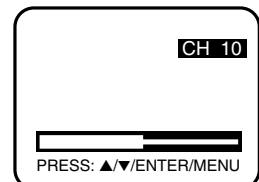
- 2 Press **▲** or **▼** to select the **MANUAL** mode, then press **SELECT/ENTER**.



- 3 Press **◀** or **▶** until the picture appears on screen. If this is not your desired channel, press **◀** or **▶** until your desired channel appears.
If you need to make the picture clearer, use **▲** or **▼** (FINE TUNING).
Then press **SELECT/ENTER**.

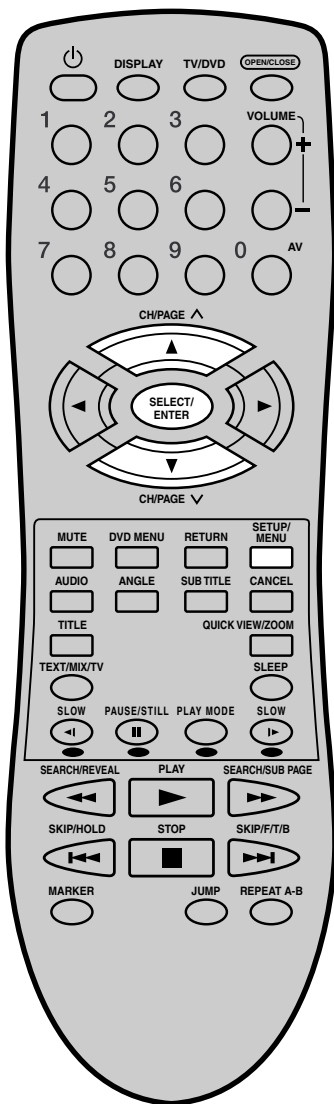


- 4 Press **▲** or **▼** to select channel position No.10, then press **SELECT/ENTER**.



- 5 Repeat step 3 through 5 until all the required channels have been stored.
- 6 When all desired channels have been set in your required position, press **SETUP/MENU** three times to return to normal TV screen.

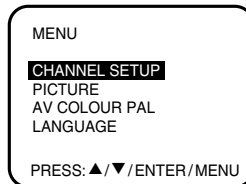
PRESETTING THE CHANNELS



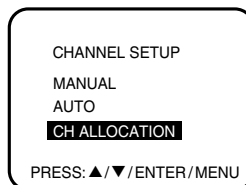
TO CHANGE THE CHANNELS

EXAMPLE: Changing of channel position from CH2 and CH5.

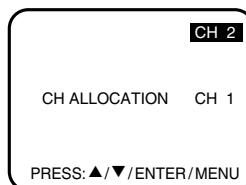
- 1 Press **SETUP/MENU**.
Press ▲ or ▼ to select the CHANNEL SETUP mode, then press **SELECT/ENTER**.



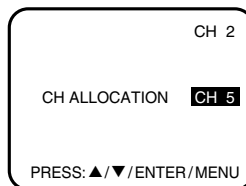
- 2 Press ▲ or ▼ to select the CH ALLOCATION mode, then press **SELECT/ENTER**.



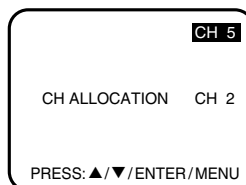
- 3 Press ▲ or ▼ to select the channel position No. (broadcasting) which you want to change. Then press **SELECT/ENTER**.



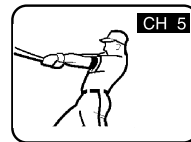
- 4 Press ▲ or ▼ to select the channel allocation No. that you want to change to.



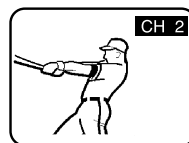
- 5 Press **SELECT/ENTER**. The numbers of the stations are changed. Repeat steps 3 - 4 to change the order of other channels. Then press **SETUP/MENU** three times to return to normal TV screen.



Before setting

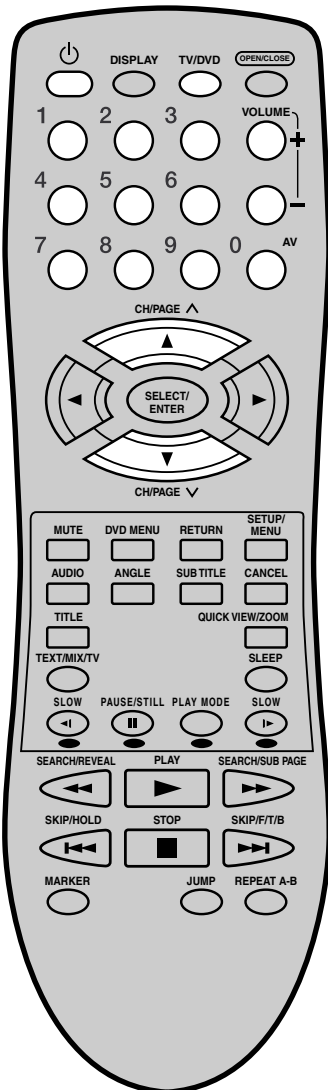


After setting



TV OPERATIONS

After completing the connection and presetting the channels, follow these steps for viewing.



NOTE:

On screen display will disappear after 4 seconds.

Automatic Power Shut Off

If a station being viewed stops broadcasting for about 15 minutes, the unit will automatically shut itself off and go into stand by mode.

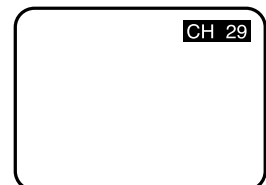
- 1 Press **Main POWER** on the unit's rear panel.
Then press **STAND BY** (⏻) on the remote control to turn on (STAND BY indication will go off). Then press **TV/DVD** to select TV mode.

- 2 **Direct Channel Selection buttons (0-9)**
Press the Direct Channel Selection button on the remote control.

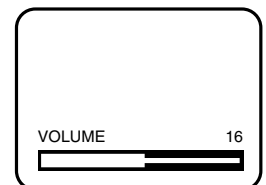
- 1-9 CH: Press your required number only.
- 10-99 CH: Press the two digits in accordance to the channel numbers required.
- 100-110 CH: Press the three digits in accordance to the channel numbers required.

CH/PAGE ^ / v

Press **CH/PAGE** ^ or v on the remote control.

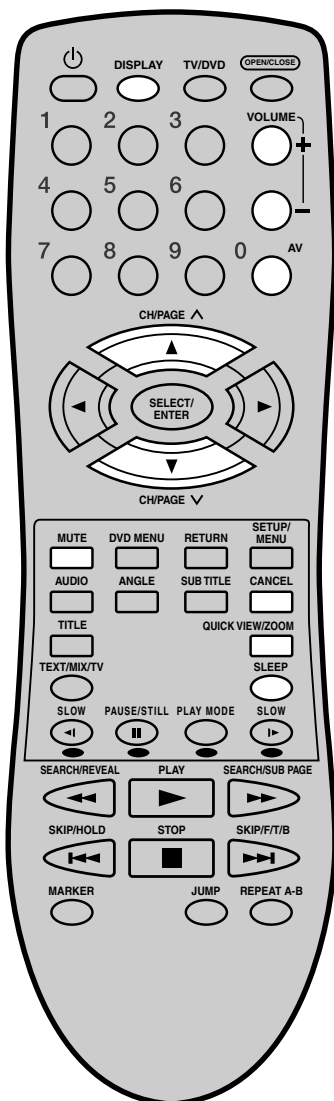


- 3 The **VOLUME** can be adjusted by pressing the **VOLUME +** or **-** on the remote control.



CONVENIENT FUNCTIONS

The following functions are available from the remote control handset only.



TV/AV Selection

For receiving the desired signal:
Press **AV** to select the TV or AV mode.



TV position - to view a normal TV.



AV position - to receive through the direct Video input. AV1 (from 21 pin SCART socket on the rear) or AV2 (from Audio/Video in jacks on the front) indicator appears on the screen in AV mode.

QUICK VIEW

This button allows you to go back to the previous channel by pressing **QUICK VIEW**. Press this button again to return to the channel you were watching.

DISPLAY

When you press this button once, the channel number will appear. Press this button again, then the display will disappear.

MUTE

When **MUTE** is pressed, the TV sound will be turned off completely. To disable this function, press the button again or **VOLUME +** or **-**.

SLEEP

To set the unit to turn off, press **SLEEP** on the remote control. The clock will count down 10 minutes each time the button is pressed in the order of 120, 110, 100,...20, 10, 0. After the sleep time is programmed, the display will disappear and will reappear momentarily at every 10 minutes. To confirm the sleep time setting, press **SLEEP** once and the remaining time will be momentarily displayed.

To cancel the sleep time, press **SLEEP** repeatedly until the display turns to 0.

SKIP FUNCTION

After all channels available in your area have been set in memory, you can skip unwanted channels as follows.

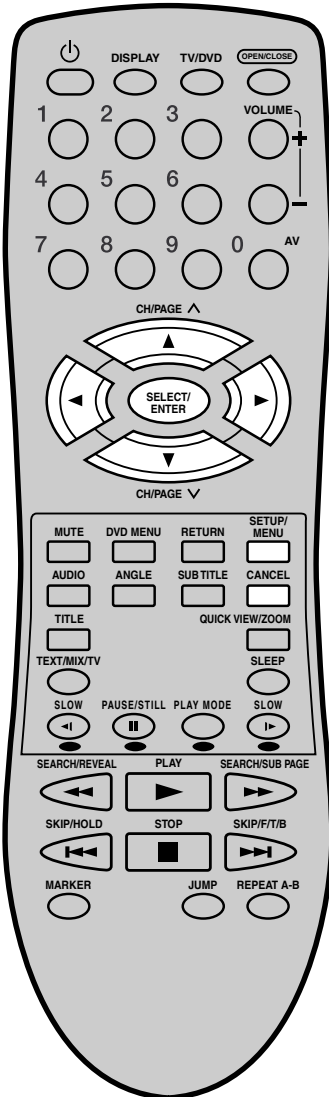
- 1 Press **CH/PAGE** ^ or v to select the channel which you want to skip.
- 2 Press **CANCEL**.
When a channel is skipped, the channel number will blink.
- 3 Skip all unwanted channels the same way following step 1-2.

NOTE:

To cancel the SKIP function, press **DIRECT CHANNEL SELECTION** (numeric buttons) to select the channel which you want to cancel, then press **CANCEL** again.

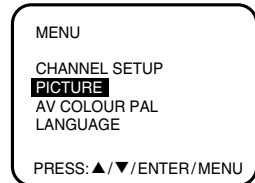
PICTURE ADJUSTMENTS

The picture settings have been adjusted at the factory under optimum signal reception conditions. However, you can adjust for **BRIGHTNESS**, **CONTRAST**, **COLOUR** and **SHARPNESS** to your preference.

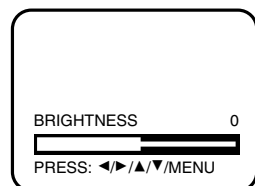


1 Press **SETUP/MENU**.

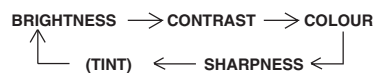
2 Press **▲** or **▼** to select the **PICTURE** mode, then press **SELECT/ENTER**.



3 To adjust the **BRIGHTNESS**, press **◀** or **▶**, then press **▲**.



NOTE: Each time **▲** is pressed, the on screen display will change as shown below.



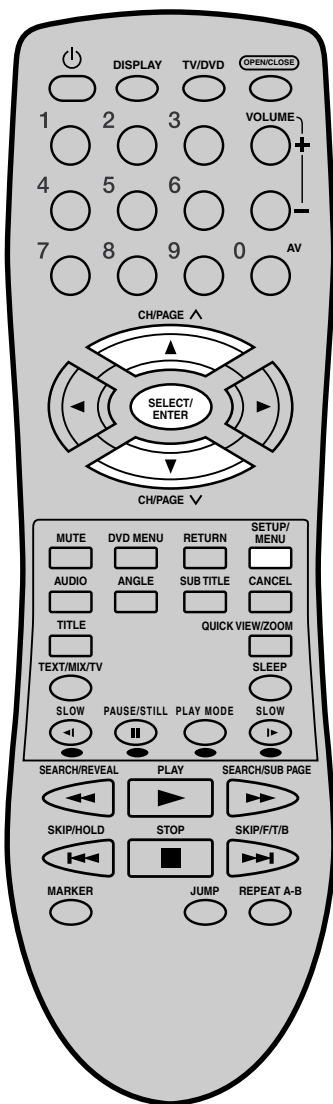
Press **SETUP/MENU** twice to return to normal TV screen.

NOTES:

- The picture settings can only be adjusted when they are displayed on screen.
- Pressing **CANCEL** will return all adjustments to their factory preadjusted levels. This function is available in adjusting picture mode.
- **TINT** will appear only when the NTSC Colour System is selected.

AV COLOUR ADJUSTING

When connecting external equipment to the unit, the picture may become black and white. This can be corrected by selecting AV (Extension) Colour as follows.



- 1 Press **SETUP/MENU** on your remote control. The on screen display will appear.
Press **▲** or **▼** to select the AV COLOUR menu.

MENU
CHANNEL SETUP
PICTURE
AV COLOUR | PAL
LANGUAGE
PRESS: **▲** / **▼** / ENTER / MENU

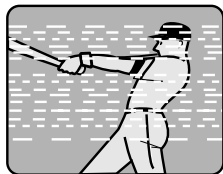
- 2 Press **SELECT/ENTER** to select one of the colour options, PAL or NTSC4.43.

- Usually select the PAL option.

- 3 Press **SETUP/MENU** to remove the menu from the screen.

RECEPTION OF INTERFERENCE

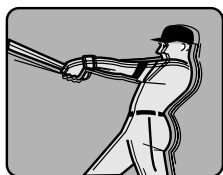
The most common types of television interference are as follows.



IGNITION

IGNITION

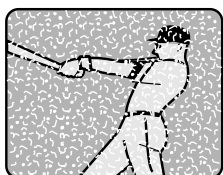
Black spots and horizontal streaks may appear, the picture may flutter or drift. This is usually caused by interference from car ignition system, neon lamps, electric drills or other electrical appliances.



GHOSTING

GHOSTING

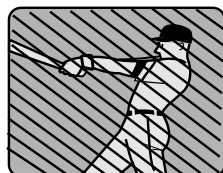
Ghosting is caused by the TV signal following two paths. One is the direct path and the other is reflected from tall buildings, hills or similar obstruction. Changing the direction and/or position of the aerial may improve reception.



SNOW

SNOW

If your TV is located on the fringe area of a TV station, where the signal is weak, your picture may be affected by the appearance of small dots (SNOW). It may be necessary to install a stronger aerial to improve the picture.



**RADIO FREQUENCY
INTERFERENCE**

RADIO FREQUENCY INTERFERENCE

This kind of interference produces moving ripples or diagonal streaks and in some cases loss of contrast in the picture.

TELETEXT

Most broadcasting stations offer a Teletext service in addition to their standard TV program.

Teletext offers news, weather forecast, winning Lotto numbers, TV listings and other interesting news.

The text is received page by page, as soon as you select the broadcasting station. A single page can be displayed on the screen. The pages are numbered and broadcasted one by one. Therefore you'll have to wait a certain time until the selected page is displayed on the screen. The page will be displayed as soon as it is broadcast.

Certain pages can be displayed more easily by pressing one of the **FOUR COLOURED TELETEXT** buttons.

Basic operation

1 Select the broadcasting station, whose text you want to read. In order to do so, select the station's channel with the remote handset.

2 Push **TEXT/MIX/TV** button.

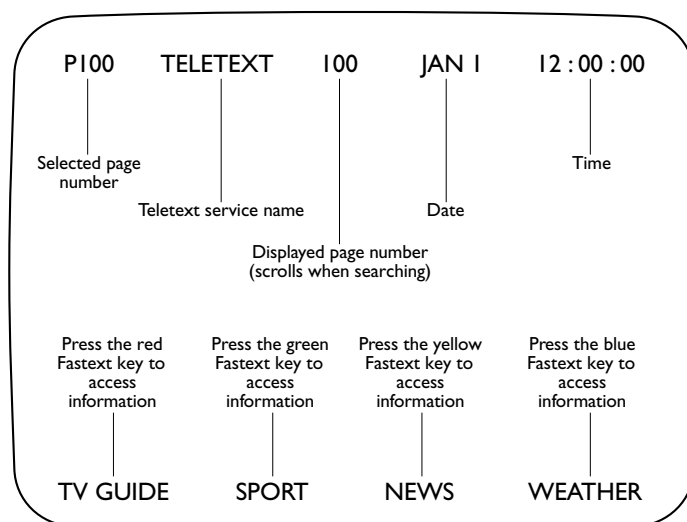
The first push on the **TEXT/MIX/TV** button switches the Teletext on.

The second push on **TEXT/MIX/TV** displays the TV program and the Teletext together (MIX).

The third push on the **TEXT/MIX/TV** button switches the Teletext off and returns the screen back to the TV program.

The first operation of the teletext normally opens the page 100 with the table of contents.

Example for a teletext page:



Select the desired teletext page from the broadcasting station's table of contents.

HOLD

Some pages hold more text than can be displayed on one page. The broadcasting station separates these pages into sub-pages, which are broadcasted one by one automatically. To study one sub-page thoroughly push the **HOLD** button. The **HOLD**-symbol will be displayed.

The associated sub-pages will scroll through automatically, when you push **HOLD** a second time to release it.

To call a teletext page

Leaf through the pages with the **PAGE** (↖/↗) - button (forward or backward).

Note: You will not necessarily find a page for every page number you enter. E.g. you have entered page no. 116 but it does not offer this page. Available page numbers can be found on the Index page (most stations offer this page 100).

Enter the three-digit page number with the number buttons.

Example:

You want to display page 300.

Enter: 3 then 0 and 0.

If you enter an incorrect digit, complete all three digits with any numbers, then you can enter the correct page number.

Inside the teletext mode you cannot change to another broadcasting station.

To switch to another channel, leave the teletext mode by pushing the **TEXT/MIX/TV** button.

How to call a specific sub-page

Push **SUB PAGE** button (0000).

The screen's left upper corner will display: - - - -

To call sub-page 2 enter: **0 0 0 2**.

Your input will be displayed in the left upper corner: **0002**.

It may take some time until sub-page 2 is broadcast.

The sub-page can only be displayed when the broadcaster transmits it.

To leave sub-page mode push the **SUB PAGE** button again.

Within the sub-page mode no other pages other than the sub-pages of the selected page can be called. To call other teletext pages you must leave the sub-page mode.

Magnifying

To magnify the letters push **F/T/B** button.

You can magnify either the upper or the lower half of the screen.

Each push on the **F/T/B** button switches between the screen's upper and lower half and the full screen.
(**F/T/B** = Full / Top / Bottom)

REVEAL

Pushing **REVEAL** will give you the hidden answers to the questions on a Quiz-page.

Not every broadcasting station offers Quiz-pages and they are not constantly offered.

DISC

DVD discs must be Region 4 type to play on this unit.

The loaded Disc (DVD and Audio-CD) will be recognized automatically.

The suitable disc formats are: DVD-Video, CD, CD-R and CD-RW.

Some CD-R/RW discs may be incompatible.

Do not play DVD-ROM, DVD-Audio, VCD, CD-G or Photo CD to prevent accidental erasure of prerecorded material.

Title

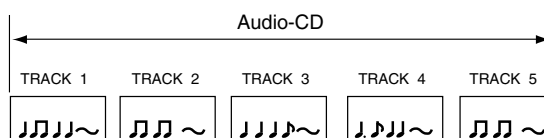
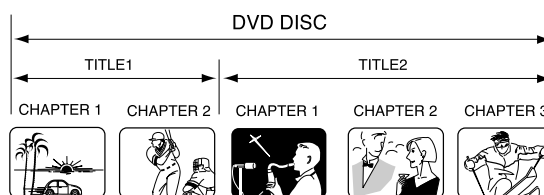
When two or more movies are recorded on a disc, the disc is divided into two or more sections. Each section is called a "TITLE".

Chapter

The titles can be subdivided into many sections. Each section is called a "CHAPTER".

Track

An Audio CD can contain several items. These are assigned to tracks.



Removing Disc from Case

Be sure to hold the edge of disc. Do not touch the surface of the disc. Pick up the disc gently from the case.

- Do not scratch the disc.
- Do not get dirt on the surface of the disc.
- Do not stick a label or adhesive tape on the disc.
- Do not drop or bend the disc.

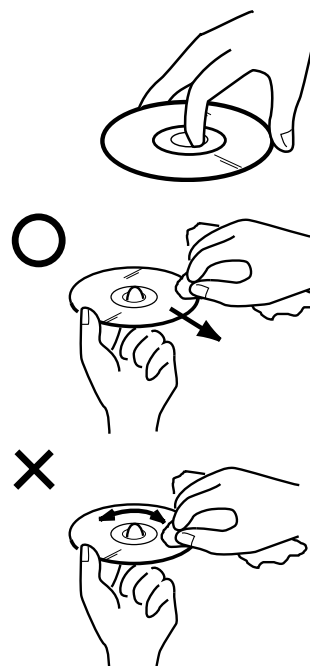
Storing Disc

- Store the disc in the case to avoid risk of scratches, dirt or damage.
- Do not leave disc exposed to direct sunlight or in hot or humid places.

Cleaning Disc

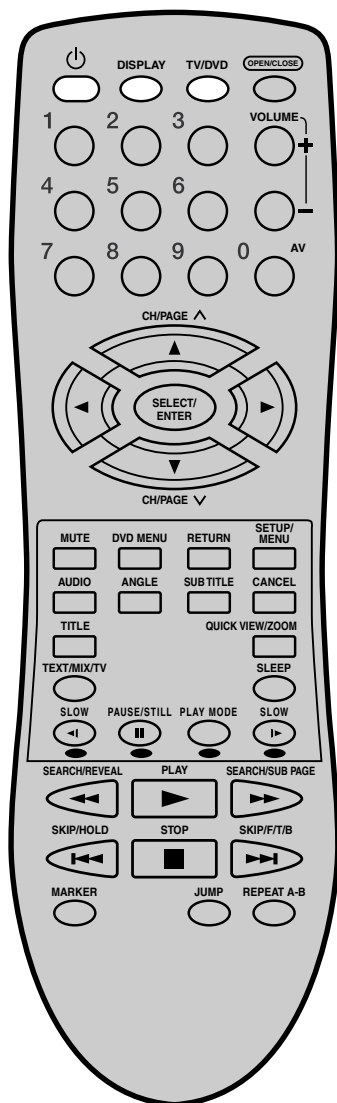
Wipe the disc with a clean, dry cloth from center to edge.

- Do not wipe in circular direction.
- Do not use liquid or aerosol cleaners.



PREPARATION/STATUS DISPLAY OF DISC

The following pages describe the setup/operation in DVD mode.



NOTE:

If the unit does not operate properly: Static electricity can adversely affect the operation of this player. Sometimes this can be remedied by unplugging the unit for a short time, then reconnecting it.

Preparation

Before DVD/CD operation, please make preparations as follows.

- 1 Insert the AC cord plug into a standard 240V 50Hz AC outlet.
 - If the AC cord plug is plugged in for the first time, wait for about 5 seconds before pressing **Sub Power** (⏻).
- 2 Press **Sub Power** (⏻) on the unit or on the remote control to turn on the unit.
 - Every time you press **Sub Power** (⏻), the unit starts from TV mode.
 - When using an amplifier, switch on the amplifier.
- 3 Press **TV/DVD** to select DVD mode.

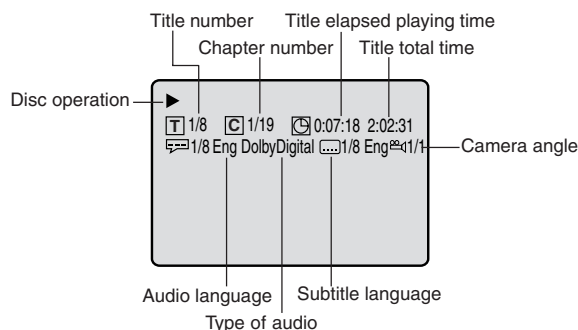
The DVD startup screen will appear on the screen.



Status display of disc

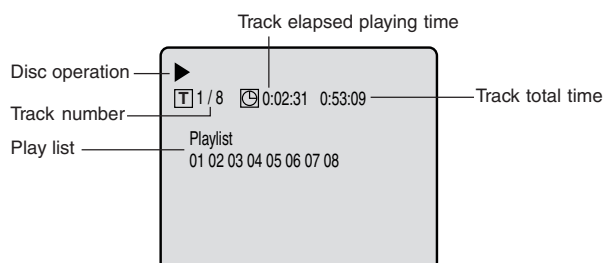
Press **DISPLAY**. The status display of the disc will appear on the screen during playback.

DVD



To make status display disappear, press **DISPLAY** again.

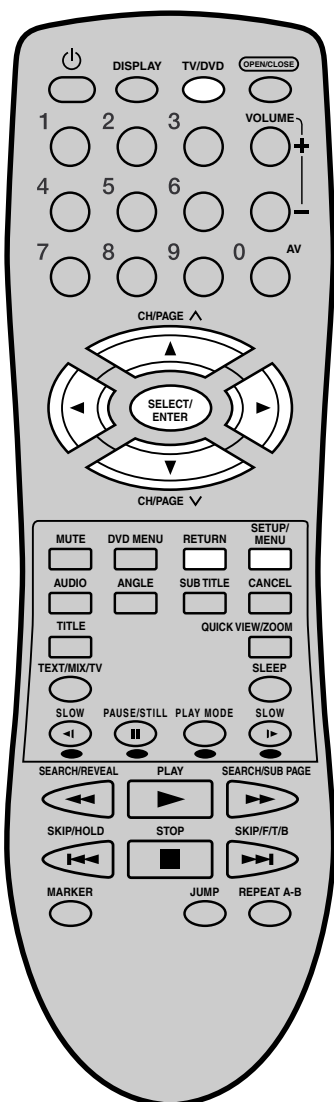
Audio CD



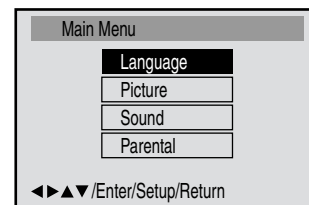
- When you play the CD disc, the status display will appear on the screen and continue displaying.

SETTING LANGUAGE

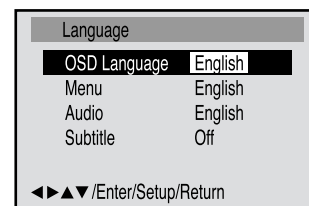
You can change the default settings to customise performance to your preference.



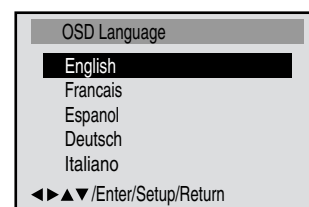
- 1 Press **TV/DVD** to select DVD mode. Press **SETUP/MENU** in the stop mode. Press **▲** or **▼** to select "Language", then press **▶** or **SELECT/ENTER**.



- 2 Press **▲** or **▼** to select "OSD Language", then press **▶** or **SELECT/ENTER**.



- 3 Press **▲** or **▼** to select desired language (e.g. English), then press **SELECT/ENTER**. The menu returns to "Language" menu automatically.



- If you want to return to the previous menu, press **◀** or **RETURN**.

- 4 Repeat steps 2-3 for other "Language" setting.

Other Selection: (Menu/Audio/Subtitle)

If you want to select another language, enter the language code (see the Language code list on page 35).

Off: (subtitle)

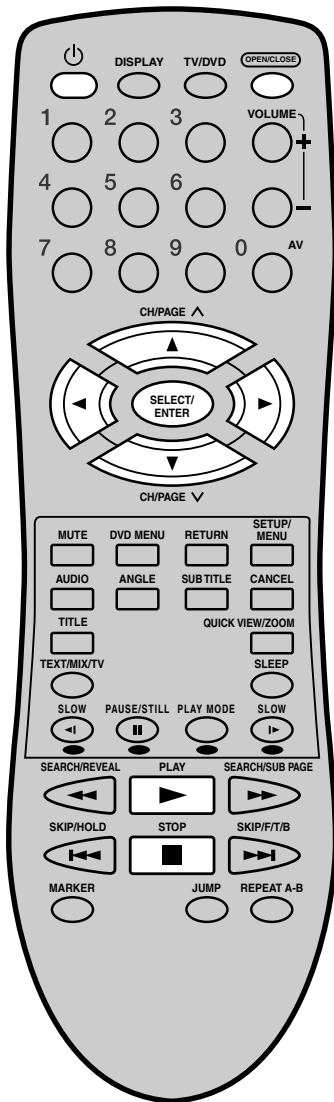
Subtitles do not appear.

- 5 Press **SETUP/MENU** to remove the Menu screen.

NOTES:

- If the selected soundtrack language is not recorded on the disc, the original language will be heard.
- If the selected subtitle language is not recorded on the disc, the first-priority language is selected.

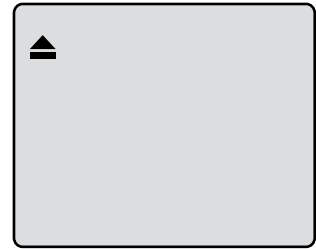
PLAYBACK PROCEDURE



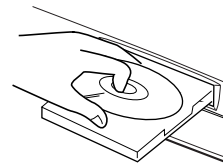
NOTES:

- If a non-compatible disc is loaded, "Incorrect Disc", "Region Code Error" or "Parental Error" will appear on the TV screen according to the type of loaded disc. If these appear, check your disc again (see pages 20 and 32).
- Some discs may take a minute or so to start playback.
- When you set a single-faced disc label downwards (ie. the wrong way up) and press **PLAY** or **OPEN/CLOSE** on the unit, "CD" will appear on the display for 3 about seconds and then "No Disc" will be displayed.
- Some playback operations of DVDs may be intentionally fixed by software producers. Since this unit plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Also refer to the instructions supplied with the DVDs.

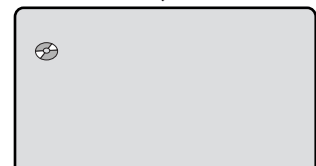
- 1 Press **OPEN/CLOSE** on the unit or the remote control.
The disc tray will open.



- 2 Place a disc onto the tray. Position it with the printed label side up, align it with the guides, and place it in its proper position.



- 3 Press **OPEN/CLOSE** or **PLAY**.
The disc tray closes automatically.
The TV-screen, ▲ changes to "CD" and then playback commences.



- A menu screen will appear on the TV screen, if the disc has a menu feature.

- 4 Press ▲/▼ or ◀/▶ to make a selection.

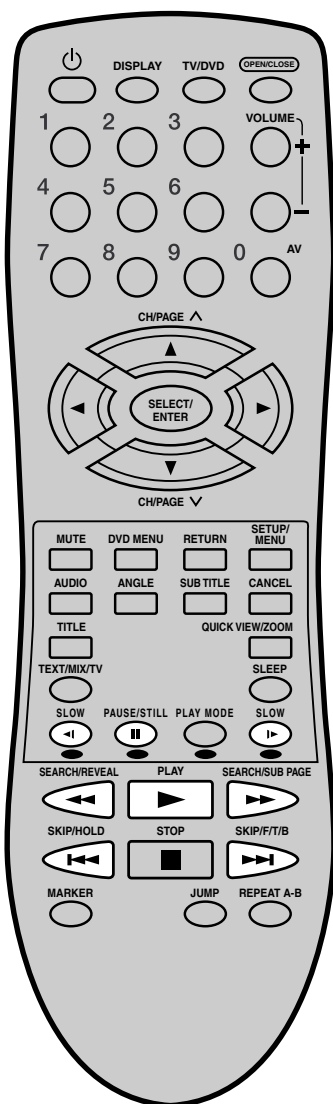
- 5 Press **SELECT/ENTER**.
• Title is selected and play commences.

- 6 Press **STOP** to end playback.
 - The unit memorizes the stopped point, depending on the disc. "■" appears on the screen. Press **PLAY** to resume playback (from the scene point).
 - If you press **STOP** again or unload the disc ("■" appears on the screen.), the unit will clear the stopped point.

- 7 To stop the playback, press **STOP**.
Then press **OPEN/CLOSE**.
The disc tray opens.
Remove the disc and press **OPEN/CLOSE** then press **Sub Power** (⏻).
The disc tray closes automatically and unit turns off.

SPECIAL PLAYBACK

Note: There may be a slight delay between when you press the button and the function activating.



NOTE:

The unit is capable of holding a still video image or On screen display image on your television screen indefinitely. If you leave the still video image or On screen display image displayed on your TV for an extended period of time, you risk permanent damage to your television screen. Projection televisions are very susceptible.

Fast Forward Playback

Press **SEARCH ►►** during normal playback.

Each press of the **SEARCH ►►** button will increase the speed of the search ►► (x 2), ►►► (x 4), ►►►► (x 8), ►►►►► (x 15). (CD: ►► (x 2), ►►► (x 4), ►►►► (x 8), ►►►►► (x 20))

- To resume normal playback, press **PLAY**.

Review Playback

Press **SEARCH ◄◄** during normal playback.

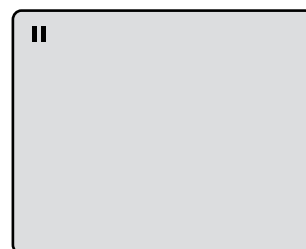
Each press of the **SEARCH ◄◄** button will increase the speed of the search ◄◄ (x 2), ◄◄◄ (x 4), ◄◄◄◄ (x 8), ◄◄◄◄◄ (x 15). (CD: ◄◄ (x 2), ◄◄◄ (x 4), ◄◄◄◄ (x 8), ◄◄◄◄◄ (x 20))

- To resume normal playback, press **PLAY**.

Still Playback

Press **PAUSE/STILL** during normal playback to pause playback.

To resume normal playback, press **PLAY**.



Frame Advance

Press **PAUSE/STILL** during still playback.

One frame is advanced each time you press **PAUSE/STILL**.

To resume normal playback, press **PLAY**.

Slow-motion Playback

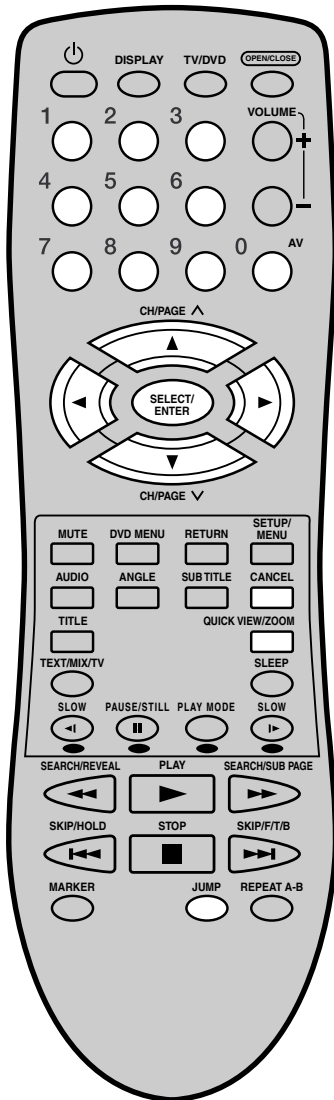
Press **SLOW ►/◄** during normal playback or still playback. Each press of **SLOW ►/◄** will change the speed of the slow x1/2, x1/4, x1/6, x1/8.

- To resume normal playback, press **PLAY**.
- To resume the still playback, press **PAUSE/STILL**.

Locating a chapter or track

Press **SKIP(►►)** Forward or **SKIP(◄◄)** Reverse during playback to locate a chapter that you want to watch. Each time you press the button, a chapter or track is skipped.

ZOOMING/LOCATING DESIRED SCENE



NOTES:

- You can select the Pause, Slow or Search playback in the zoom mode.
- Some discs may not respond to zoom feature.

Zooming

This unit will allow you to zoom in on the frame image. You can then make selections by switching the position of the frame.

- 1 Press **ZOOM** during playback.
The centre part of the image will be zoomed in.
Each press of **ZOOM** will change the ZOOM Q 1 (x 2), Q 2 (x 3) and Q 3 (x 4).

Q 1

- 2 Press **▲/▼/◀/▶** to view a different part of the frame.
You may move the frame from the centre position to UP, DOWN, LEFT or RIGHT direction.
- 3 In the zoom mode press **ZOOM** repeatedly to return to a 1:1 view (Q Off).

Locating Desired Scene

Use the title, chapter and time recorded on the disc to locate the desired point to play back.

- 1 Press **JUMP** during playback.

Jump
C _ / 19
T 1 / 8
0:00:00 / 2:02:31
▲▼/Enter/0-9/Cancel/Jump

- 2 Press **▲** or **▼** to select the "**C**" (Chapter), "**T**" (Title/Track) or "**0**" (Time)".
- 3 Press **Number buttons (0-9)** to input the number.
 - If you input a wrong number, press **CANCEL**.
 - Refer to the package supplied with the disc to check the numbers.
- 4 Press **SELECT/ENTER**.
 - Playback starts.
 - When you change the title, playback starts from Chapter 1 of the selected title.
 - Some discs may not work in the above operation.

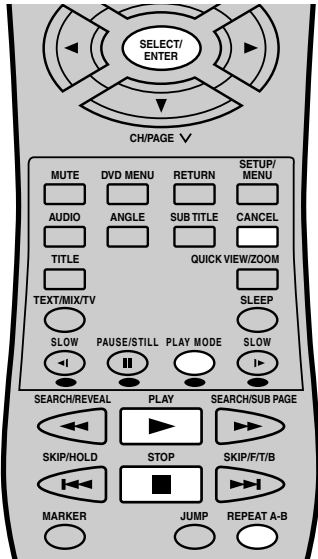
REPEAT/RANDOM/PROGRAM PLAYBACK AND REPEAT A-B

Press **PLAY MODE** during playback or stop mode.
Each time you press **PLAY MODE**, playback mode changes as follows.

DVD

On screen display	Operation
→ Title:	Repeats the current title.
↓ Chapter:	Repeats the current chapter.
↓ Off:	Resumes normal playback.

- During stop mode, **PLAY MODE** key is not effective.



NOTES:

- If you put a wrong number, press **CANCEL**.
- To cancel program play, press **STOP** 3 times.
- To clear the programs on the program menu, press **CANCEL** until all programs will be cleared.
- The program is cancelled when you open the disc tray or turn off the power.

Repeat A-B

Repeat A-B playback allows you to repeat material between two selected points.

- 1 Press **REPEAT A-B** during playback.
The start point is selected.

- 2 Press **REPEAT A-B** again.
The end point is selected. Playback starts at the point that you selected. Playback stops at the end point, returns to Point A automatically, then starts again.

To resume normal playback press **REPEAT A-B** again.
“ Off” appears on the screen.

NOTES:

- Some discs may not work with the repeat operation.
- In Repeat A-B mode, subtitles near point A or B may not appear.
- You may not be able to set Repeat A-B, depending on the scenes of the DVD.

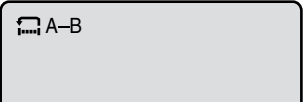
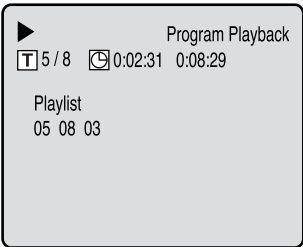
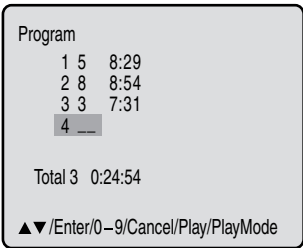
Audio CD

On screen display	Operation
→ All:	Repeats entire disc.
↓ Track:	Repeats the current track.
↓ Random Play:	Plays the tracks in random order.
↓ *Program:	Plays the tracks in program order.
↓ (Status display):	Resumes normal playback.

- During stop mode, you cannot select “ Track”.

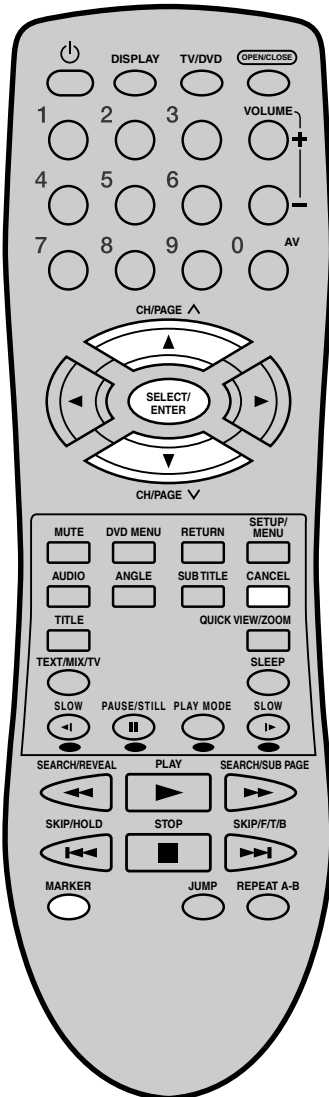
* Program menu

Use **number buttons (0–9)** to enter the track’s number you want to program, then press **SELECT/ENTER**. The track number and total time are displayed. Repeat this step to enter additional tracks. When you have finished entering tracks, press **PLAY** to start Program playback.
A playlist of your programmed tracks is displayed.



MARKING DESIRED SCENES

The unit stores the points that you want to watch again. You can resume playback from that scene.

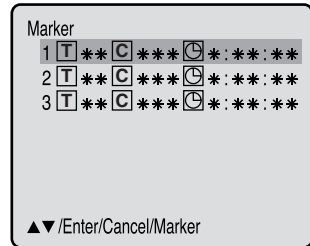


NOTES:

- The marking is cancelled when you open the disc tray or turn the power off.
- Some subtitles recorded around the marker may fail to appear.

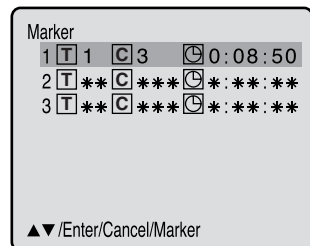
Marking the Scenes

- 1 Press **MARKER** during playback.



- 2 Select the blank Marker using ▲/▼, then press **SELECT/ENTER** at the desired scene.

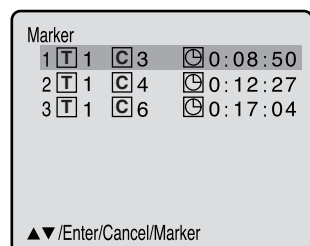
- Up to 3 scenes can be selected.
- Repeat this procedure to set the other 2 scenes.



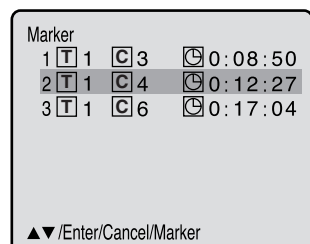
- 3 Press **MARKER** to remove this display.

Returning to the Scenes

- 1 Press **MARKER** during playback or stop mode.



- 2 Press ▲ or ▼ to select the Marker 1-3.

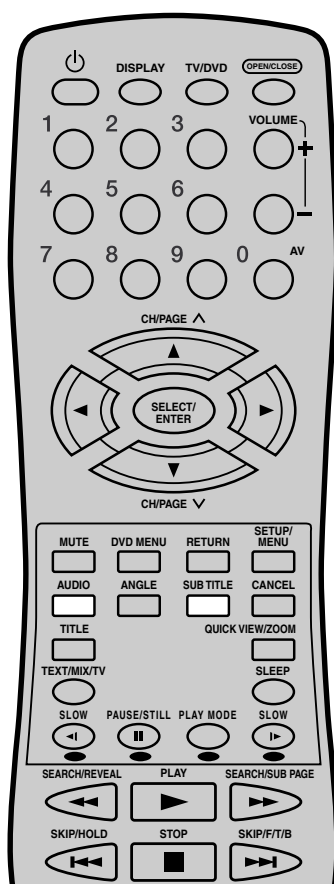


- 3 Press **SELECT/ENTER**. Playback starts from the marked scene.

To Cancel the Mark

- 1 Press **MARKER**.
- 2 Press ▲ or ▼ to select the Marker 1-3.
- 3 Press **CANCEL**.

CHANGING SOUNDTRACK LANGUAGE/SUBTITLES



Changing soundtrack language

You can select the language when you play a multilingual disc.

- 1 Press **AUDIO** during play-back.

2/8 Fra Dolby Digital

The current soundtrack language will appear.

- 2 Press **AUDIO** repeatedly until the desired language is selected.

1/8 Eng Dolby Digital

The on-screen display will disappear after a few seconds.

Subtitles

Turning the Subtitles On and Off

When playing back a disc recorded with subtitles, you can turn the subtitles on or off.

Press **SUB TITLE** during play-back until "Off" appears.

Off

NOTES:

- If the desired language is not heard after pressing the SUB TITLE button several times, the language is not recorded on the disc.
- Changing soundtrack language is cancelled when you open the disc tray. The initial default language or available language will be heard if the disc is played back again.
- Changing subtitle language is cancelled when you open the disc tray or turn the power off.
- Some functions may not work on some DVDs. You may not be able to turn subtitles on or off or change subtitles. While playing the DVD, the subtitle may change when:
 - you open or close the disc tray.
 - you change the title.
- In some cases, the subtitle language is not changed to the selected one immediately.

Changing the subtitle language

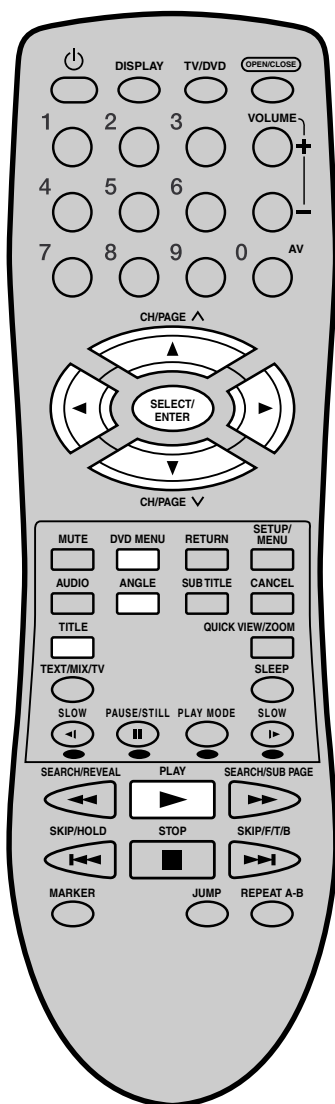
You can select the language when playing back a disc recorded with multi-lingual subtitles.

- 1 Press **SUB TITLE** repeatedly during playback until your desired language appears.

1/32 Eng

- 2 The on-screen display will disappear after a few seconds.

CHANGING ANGLES/TITLE SELECTION/DVD MENU



NOTES:

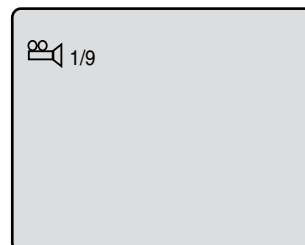
- Depending on the DVD, you may not be able to change the angles even if multi-angles are recorded on the DVD.
- Depending on the DVD, you may not be able to select the title. Depending on the DVD, a "title menu" may simply be called a "menu" or "title" in the instructions supplied with the disc.

Changing Angles

When playing back a disc recorded with multi-angle facility, you can change the view angle.

- 1 Press **ANGLE** during playback.

The current angle will appear.



- 2 Press **ANGLE** repeatedly until the desired angle is selected.

Title Selection

Two or more titles are recorded on some discs. If the title menu is recorded on the disc, you can select the desired title.

- 1 Press **TITLE** during playback.
Title menu appears on the screen.

- 2 Press **▲/▼** or **◀/▶** to select the desired title.

- 3 Press **SELECT/ENTER** or **PLAY**.
The playback of the selected title will start.

DVD Menu

Some DVDs allow you to select the disc contents using the menu.

When you play back these DVDs, you can select the subtitle language and soundtrack language, etc. using the DVD menu.

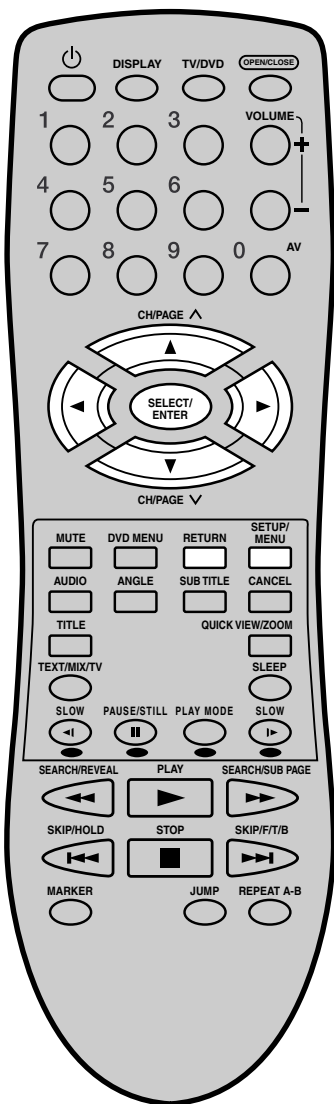
- 1 Press **DVD MENU** during playback.
The DVD menu appears on the screen.

- Press **DVD MENU** again to resume playback at the scene when you pressed **DVD MENU**.

- 2 Press **▲/▼** or **◀/▶** to select the desired item.

- 3 Press **SELECT/ENTER**.
The menu continues to another screen. Repeat steps 2 and 3 to set any additional items.

SETTING THE ASPECT RATIO OF TV SCREEN/SETTING ON SCREEN DISPLAY



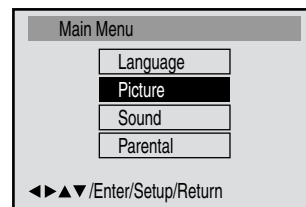
NOTE:

It is not always possible for the DVD disc to display the picture as per your preferred picture setting - for example, if you select '4:3 Panscan', the disc may not offer this option. In this case the picture would display in whichever format the disc is capable of playing back.

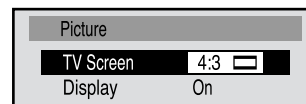
Setting the aspect ratio of TV screen

You can select the aspect ratio of the picture.

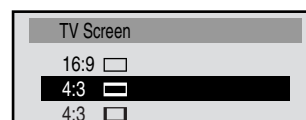
- 1 Press **SETUP/MENU** in the stop mode or No Disc. Press **▲** or **▼** to select "Picture", then press **▶** or **SELECT/ENTER**.



- 2 Press **▲** or **▼** to select "TV Screen", then press **▶** or **SELECT/ENTER**.



- 3 Press **▲** or **▼** to select your desired screen type, then press **SELECT/ENTER**.



You have the following screen sizes to choose from:

16:9 ☐ Wide screen

A wide screen picture is displayed full size, although the image on the screen may be geometrically distorted in this mode because the TV screen has an aspect ratio of 4:3 not 16:9. However it is possible to connect this set to an external widescreen (16:9) TV set via the SCART socket (see P.8).

4:3 ☒ Letterbox

When playing back a wide screen-DVD disc, it displays the wide picture with black bands at the top and bottom of screen.

4:3 ☐ Panscan

It displays the wide picture on the whole screen with left and right edges automatically cut off.

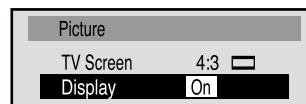
- If you want to return to the previous menu, press **◀** or **RETURN**.

- 4 Press **SETUP/MENU** to remove the Menu screen.

Status on screen display

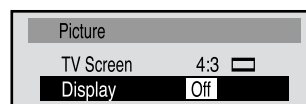
On screen display can be switched on or off when you press the buttons.

- 1 Press **SETUP/MENU** in the stop mode or No Disc. Press **▲** or **▼** to select "Picture", then press **▶** or **SELECT/ENTER**.



- 2 Press **▲** or **▼** to select "Display".

- 3 Press **▶** or **SELECT/ENTER** to select "On" or "Off".



On: On screen displays appear when you press the buttons (factory setting).

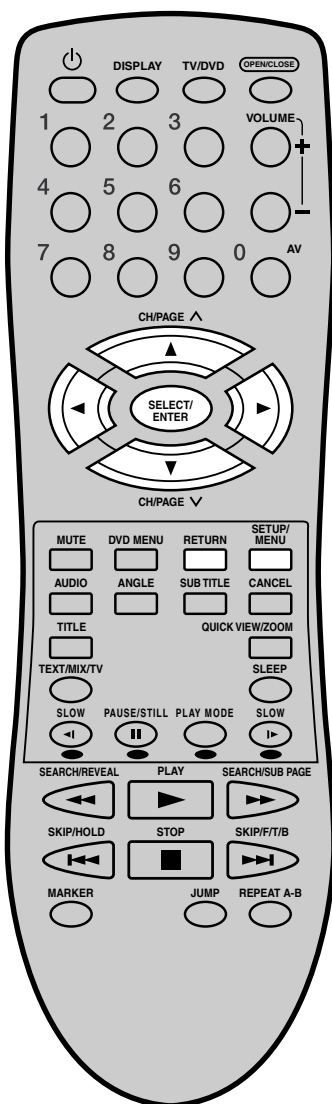
Off: On screen displays do not appear when you press any buttons.

- If you want to return to the previous menu, press **◀** or **RETURN**.

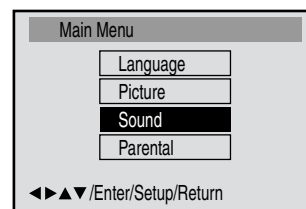
- 4 Press **SETUP/MENU** to remove the Menu screen.

DYNAMIC RANGE CONTROL

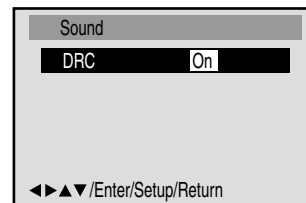
DRC (Dynamic Range Control) enables you to control the dynamic range so as to achieve a suitable sound for your equipment.



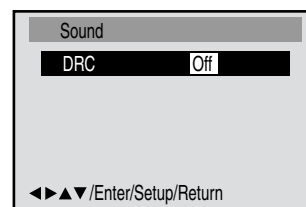
- 1 Press **SETUP/MENU** in the stop mode.
Press **▲** or **▼** to select "Sound".



- 2 Press **▶** or **SELECT/ENTER** to select "DRC".



- 3 Press **▶** or **SELECT/ENTER** to select "On" or "Off".



- If you want to return to the previous menu, press **◀** or **RETURN**.

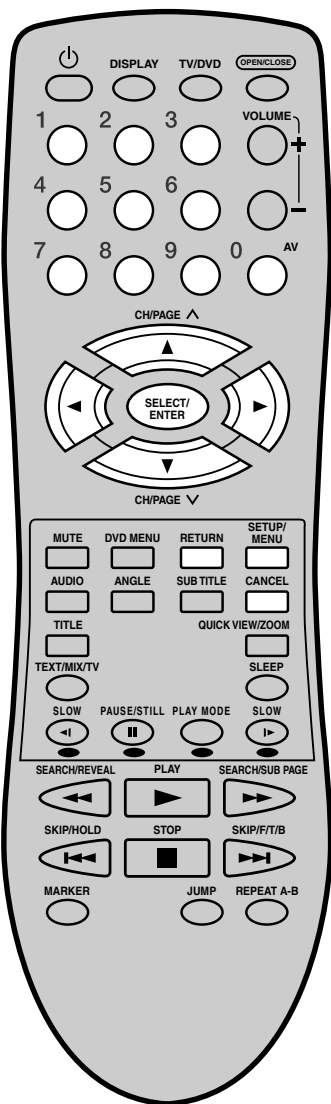
- 4 Press **SETUP/MENU** to remove the Menu screen.

NOTES:

- This function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Reduction may differ depending on DVD video disc.

PARENTAL CONTROL SETTING

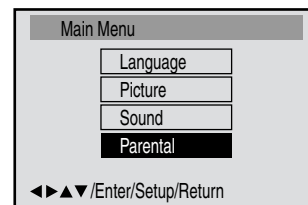
Some discs are specified not suitable for children. Such discs can be limited not to play back with the unit.



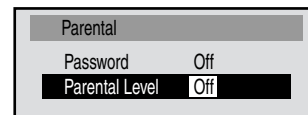
NOTES:

- If each setup (P.22, 30–33) has been completed, the unit can always be worked under the same conditions (especially with DVD discs). Each setup will be retained in the memory when you turn the power off.
- Depending on the discs, the unit cannot limit playback.
- Some discs may not be encoded with specific rating level information though its disc jacket says “adult”. For those discs, the age restriction will not work.

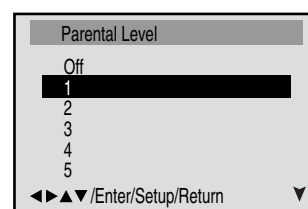
- 1 Press **SETUP/MENU** in the stop mode. Press **▲** or **▼** to select “Parental”, then press **▶** or **SELECT/ENTER**.



- 2 Press **▲** or **▼** to select “Parental Level”, then press **▶** or **SELECT/ENTER**.

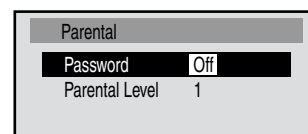


- 3 Press **▲** or **▼** to select a level from Off or 1–8. Press **▶** or **SELECT/ENTER** to set the selected level.

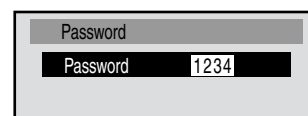


- **Level Off:** The parental control setting does not function.
- **Level 8:** Almost all DVD software can be played back.
- **Level 1:** DVD software for adults cannot be played back.
- Select from the level 1 to level 8. The limitation will be more severe as the level number is lower.

- 4 Press **▲** or **▼** to select “Password”, then press **▶** or **SELECT/ENTER**.

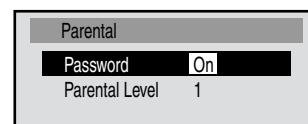


- 5 Press **number buttons (0–9)** for the password. Don't forget the password.
 - If you input a wrong number, press **CANCEL**.



- 6 Press **SELECT/ENTER** to store the password.

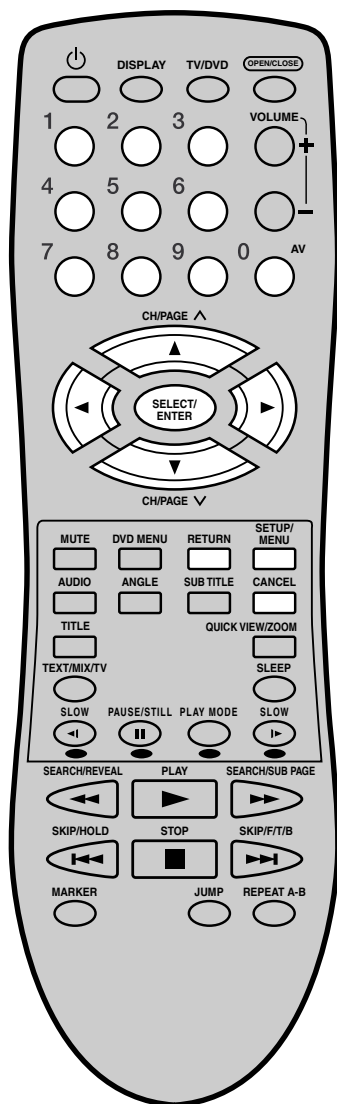
Note: Now the rating is locked and the setting cannot be changed unless you enter the correct password.



- If you want to return to the previous menu, press **◀** or **RETURN**.

- 7 Press **SETUP/MENU** to remove the parental control screen.

TO CHANGE THE PARENTAL LEVEL

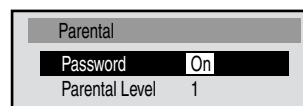


NOTE:

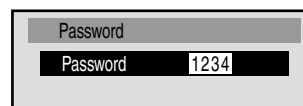
Do not forget the password. If you forget the password, contact the dealer that you purchased the unit from.

- 1 Press **SETUP/MENU** in the stop mode or No Disc. Press **▲** or **▼** to select "Parental", then press **▶** or **SELECT/ENTER**.

- 2 Press **▲** or **▼** to select "Password", then press **▶** or **SELECT/ENTER**.

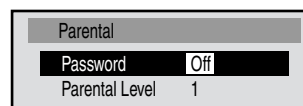


- 3 Press **number buttons (0-9)** to enter the password you have stored.

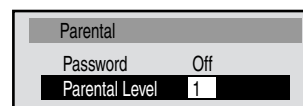


- If you input a wrong number, press **CANCEL**.

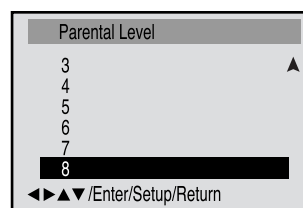
- 4 Press **SELECT/ENTER**. The password is now Off.



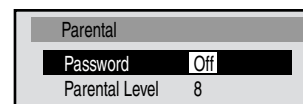
- 5 Press **▲** or **▼** to select "Parental Level". Then press **▶** or **SELECT/ENTER**. The Parental Level screen is displayed.



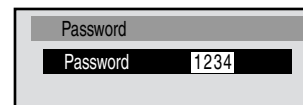
- 6 Press **▲** or **▼** to select a level from Off or 1-8 and then press **▶** or **SELECT/ENTER**.



- 7 Press **▲** or **▼** to select "Password" and then press **▶** or **SELECT/ENTER**.

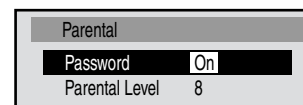


- 8 Press **number buttons (0-9)** to enter a 4-digit password.



Note: Make sure that you select a password number that you will remember easily.

- 9 Press **SELECT/ENTER**. The parental level is now changed and locked.

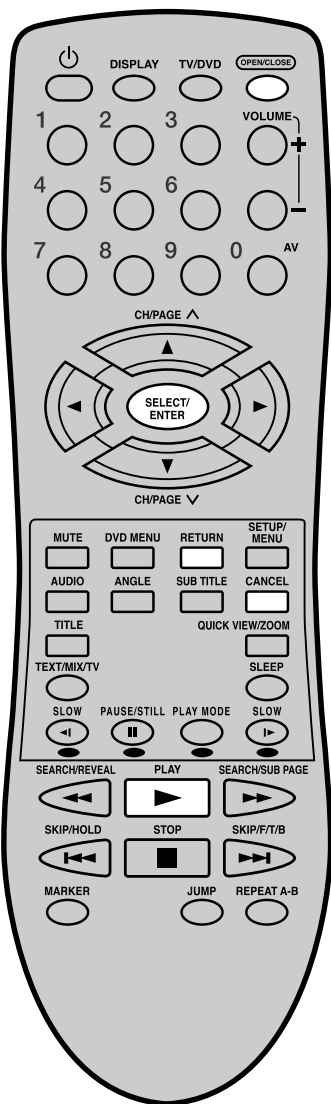


- If you want to return to the previous menu, press **◀** or **RETURN**.

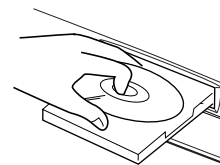
- 10 Press **SETUP/MENU** to remove the parental control screen.

TEMPORARY DISABLING OF RATING LEVEL BY DVD DISC

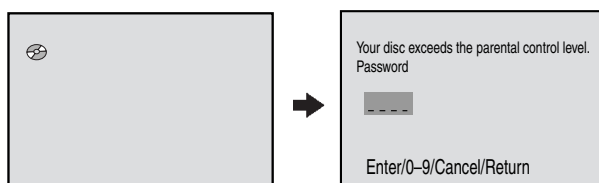
Depending on the DVD disc, the disc may try to temporarily cancel the rating level that you have set. It is up to you to decide whether to cancel the rating level or not.



- 1 Load a DVD disc and press **PLAY** (see page 23).



- 2 If the DVD disc has been designed to temporarily cancel the Rating level, the screen which appears after inserting a DVD will change, depending on which disc is played. If you select "YES" with the **SELECT/ENTER** key, "Your disc exceeds the parental control level." screen will then appear.



- 3 If you wish to cancel the set rating level temporarily, enter the 4-digit password. Then press **SELECT/ENTER**. Alternatively, if the password has not been set, playback will commence. If you don't know (or have forgotten) the password, select "CANCEL". The setting screen will disappear. Press **OPEN/CLOSE** to remove the disc.

To quit entering, press **RETURN**.

- 4 Playback will commence if the entered password was correct.

NOTE:

This temporary cancellation of rating level will be kept until the disc is ejected. When the disc is ejected, the original rating level will be set again automatically.

LANGUAGE CODE LIST

Enter the appropriate code number for the initial settings “AUDIO”, “SUBTITLE” and/or “MENU LANGUAGE” (see page 22).

Language Name	Code	Language Name	Code	Language Name	Code	Language Name	Code
Abkhazian	1112	Fiji	1620	Lingala	2224	Singhalese	2919
Afar	1111	Finnish	1619	Lithuanian	2230	Slovak	2921
Afrikaans	1116	French	1628	Macedonian	2321	Slovenian	2922
Albanian	2927	Frisian	1635	Malagasy	2317	Somali	2925
Amharic	1123	Galician	1722	Malay	2329	Spanish	1529
Arabic	1128	Georgian	2111	Malayalam	2322	Sundanese	2931
Armenian	1835	German	1415	Maltese	2330	Swahili	2933
Assamese	1129	Greek	1522	Maori	2319	Swedish	2932
Aymara	1135	Greenlandic	2122	Marathi	2328	Tagalog	3022
Azerbaijani	1136	Guarani	1724	Moldavian	2325	Tajik	3017
Bashkir	1211	Gujarati	1731	Mongolian	2324	Tamil	3011
Basque	1531	Hausa	1811	Nauru	2411	Tatar	3030
Bengali; Bangla	1224	Hebrew	1933	Nepali	2415	Telugu	3015
Bhutani	1436	Hindi	1819	Norwegian	2425	Thai	3018
Bihari	1218	Hungarian	1831	Oriya	2528	Tibetan	1225
Breton	1228	Icelandic	1929	Panjabi	2611	Tigrinya	3019
Bulgarian	1217	Indonesian	1924	Pashto, Pushto	2629	Tonga	3025
Burmese	2335	Interlingua	1911	Persian	1611	Turkish	3028
Byelorussian	1215	Irish	1711	Polish	2622	Turkmen	3021
Cambodian	2123	Italian	1930	Portuguese	2630	Twi	3033
Catalan	1311	Japanese	2011	Quechua	2731	Ukrainian	3121
Chinese	3618	Javanese	2033	Rhaeto-Romance	2823	Urdu	3128
Corsican	1325	Kannada	2124	Romanian	2825	Uzbek	3136
Croatian	1828	Kashmiri	2129	Russian	2831	Vietnamese	3219
Czech	1329	Kazakh	2121	Samoan	2923	Volapük	3225
Danish	1411	Kirghiz	2135	Sanskrit	2911	Welsh	1335
Dutch	2422	Korean	2125	Scots Gaelic	1714	Wolof	3325
English	1524	Kurdish	2131	Serbian	2928	Xhosa	3418
Esperanto	1525	Laothian	2225	Serbo-Croatian	2918	Yiddish	2019
Estonian	1530	Latin	2211	Shona	2924	Yoruba	3525
Faroese	1625	Latvian, Lettish	2232	Sindhi	2914	Zulu	3631

BEFORE REQUESTING SERVICE

If your unit does not work properly check the following before calling a service engineer.

SYMPTOMS	CAUSE	SOLUTION	PAGE
POWER			
No power.	The Mains lead is not connected.	Connect Mains lead to AC outlet.	6
	Main power (ON) switch is OFF.	Set it to ON.	6
	The DC car cord is not plugged into the cigarette lighter socket.	Connect the DC car cord to the cigarette lighter socket.	6
	The DC car cord fuse is blown.	Replace fuse.	6
TV BROADCAST RECEPTION			
No picture, no sound.	The Mains lead is disconnected.	Connect the Mains lead to the AC outlet.	6
	Aerial connector is not connected or wires are broken.	Check aerial connections or broken wires.	6
	Sub Power (⏻) button is off.	Press the Sub Power (⏻) button.	6
	Possibly station trouble.	Try another channel.	13
Sound OK, poor picture.	Possibly station trouble.	Try another channel.	13
	Aerial connector is not connected or wires are broken.	Check aerial connections or broken wires.	6
	Possibly local interference.	Move the aerial away from the source of interference.	17
Picture OK, poor sound.	Possibly station trouble.	Try another channel.	13
	Possibly local interference.	Move the aerial away from the source of interference.	17
	Volume control set at minimum position.	Increase VOLUME control.	13
Poor reception.	Aerial connector is not connected or wires are broken.	Check aerial connections or broken wires.	6
	Possibly station trouble.	Try another channel.	13
Poor colour or no colour.	Aerial connector is not connected or wires are broken.	Check aerial connections or broken wires.	6
	Possibly station trouble.	Try another channel.	13
	Possibly local interference.	Move the aerial away from the source of interference.	17
	Colour control is not adjusted.	Adjust the colour settings.	15
DVD			
The playback picture has occasional distortion.	The disc is dirty.	Eject the disc and clean it.	20
	It is in fast forward or fast reverse playback.	Some times a small amount of picture distortion may appear. This is not a malfunction.	–
The unit does not start playback.	No disc is inserted.	Insert a disc.	23
	An unplayable disc is inserted.	Insert a playable disc (Check the disc type and colour system).	20
	The disc is placed upside down.	Place the disc with the playback side down.	23
	The disc is not placed within the guide.	Place the disc correctly inside the guide on the disc tray.	23
	The disc is dirty.	Clean the disc.	20
	The parental lock function is set.	Cancel the parental lock function or change the parental lock level.	32,33
Playback does not follow the course of the disc's program.	It is in the mode of repeat playback, memory playback, etc.	These operations may prevent a proper progress of the contents.	–
⊘ appears on the screen.	The function is prohibited with the unit or the disc.	–	–
REMOTE CONTROL			
Remote control does not work.	It is not aimed at the remote sensor.	Aim it at the remote control sensor.	5
	Distance too far or there is too much light in the room.	Operate within 5 metres and reduce the light of the room.	5
	Obstacle in the path of beam.	Clear the path of the beam.	5
	Batteries are weak.	Replace batteries.	5
	Polarities of the batteries, + or –, are not inserted correctly.	Install batteries correctly.	5

SPECIFICATION

TELEVISION	
Picture Tube:	10" (23 cm "V") measured diagonally
Television System:	90 degree deflection CCIR 625 Lines 50 Fields PAL, B/G
Tuner:	Electronic Tuner
Receiving Channels:	VHF:0 - S41 UHF: 21 - 69
Aerial Input:	VHF/UHF 75 ohm unbalanced
Audio Output Power:	1.2 W+1.2 W (max)
Speaker:	(7.6 cm 8 ohm) x 2
DVD	
Signal system:	PAL
Applicable disc:	DVD (12 cm, 8 cm), CD (12 cm, 8 cm)
Audio characteristics:	DVD: 4 Hz - 22 KHz
Frequency response:	CD: 4 Hz - 20 KHz
S/N Ratio:	90 dB
Harmonic distortion:	0.06%
Wow and flutter:	Below Measurable Level
Dynamic range:	90 dB
Output:	Audio : (RCA) -12.0 dBm, 1K ohm
Pickup:	Digital Audio : 0.5 Vp-p/75 ohm
	CD : Wavelength: 775 - 805 nm
	Maximum output power: 0.5 mW
	DVD : Wavelength: 640 - 660 nm
	Maximum output power: 1.0 mW
GENERAL	
Power Source:	AC 240 V, 50 Hz
Power Consumption:	DC 12 V
Weight:	50 W (AC 240 V), 50 W (DC 12 V)
Dimensions:	8.0 kg
Operating Temperature:	278(W)x311.5(H)x312.5(D) mm
	5°C to 40°C
REMOTE CONTROL UNIT	
Power Supply:	DC 3 V (Two batteries, AAA/ R03/ UM-4)
ACCESSORIES	
	1 Remote Control
	1 21 pin-RCA Cable
	2 Batteries (UM-4)
	1 DC Car Cord
	1 2pole Rod Aerial

Weight and Dimensions are approximate. Because we continually strive to improve our products we may change specifications and designs without prior notice.

ORION ELECTRIC CO., LTD. (JAPAN)



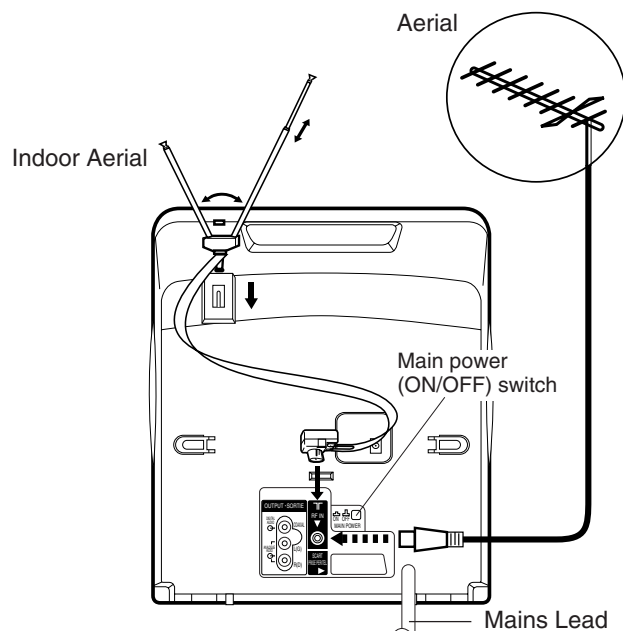
J5G90401A

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Quick Set-up Sheet for MODEL:10DT

ORION

Aerial Connections Connect as follows.



Note:

Main power (ON/OFF) switch is on the rear panel and it is OFF when not in use for a long time.

Power supply system

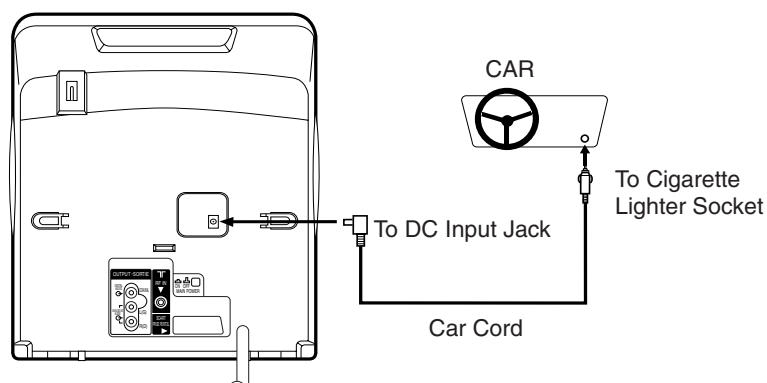
To use a Household Power Supply

Use the AC line cord provided for operation on AC. Insert the AC cord plug into 240 V 50 Hz AC outlet. Press MAIN POWER switch on the back panel, the red standby indicator will light. Turn on your unit by pressing Sub Power (⏻) on the front panel or on the remote control, the red standby indicator goes off.

To use DC POWER

1. Connect the supplied car cord to the DC 12 V input jack.
2. Start the car engine and insert the other end of the DC Power cord into a cigarette lighter socket of your car. Then the STAND BY(⏻) indicator will light up.

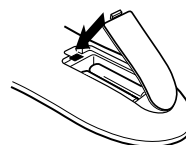
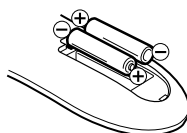
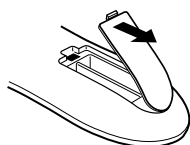
WARNING: Never watch the unit while driving the vehicle.



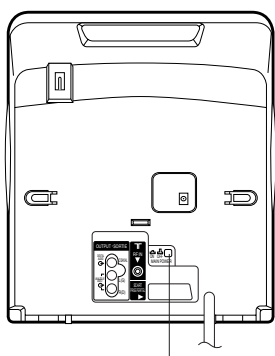
How to install the batteries

Use battery type **UM-4 (AAA-Size)**.

- 1 Open the cover in direction of the arrow and take it off.
- 2 Install the batteries as shown below, pay attention to polarities.
- 3 Replace cover.



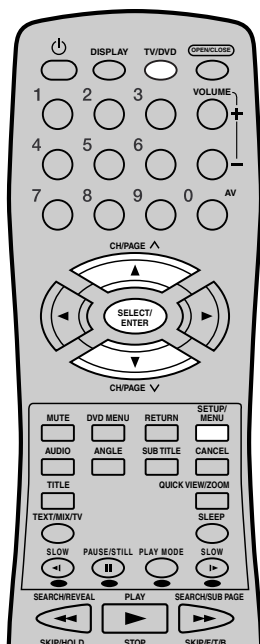
Unit turning on



Main Power (ON/OFF) Switch

- 1 Turn on **Main power (ON/OFF) switch**. The **STAND BY**-indicator will light up.
- 2 Press **Sub Power (⏻)**. The **STAND BY**-indicator will go off.
(When you use DC power, you don't have to press Main Power (ON/OFF) Switch.)

On-screen language selection



- 1 Press **TV/DVD** to select TV mode.
- 2 Press **SETUP/MENU**.
If you press **SETUP/MENU** for the first time, the language setting menu will appear.
- 3 Press **▲** or **▼** to select the desired language.
Then press **SELECT/ENTER**.
- 4 Press **SETUP/MENU** repeatedly until normal TV screen appears.

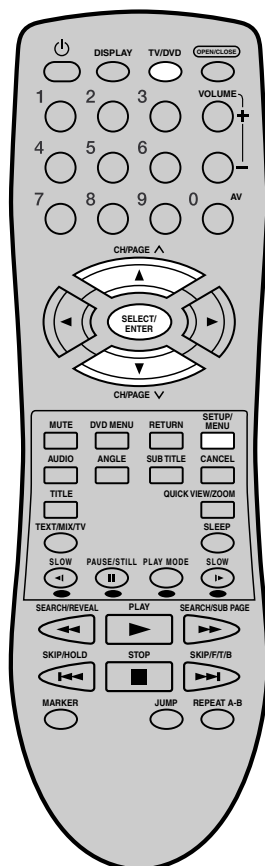
LANGUAGE/SPRACHE/LANGUE
LINGUA/LENGUA
ENGLISH
DEUTSCH
FRANCAIS
ITALIANO
ESPAÑOL

PRESS: ▲/▼/ENTER/MENU

Channel preset

Automatic tuning

1 Press **TV/DVD** to select TV mode.



2 Press **SETUP/MENU**.
Press **▲** or **▼** to select CHANNEL SETUP.
Then press **SELECT/ENTER**.

MENU

CHANNEL SETUP
PICTURE
AV COLOUR PAL
LANGUAGE

PRESS: **▲/▼/ENTER/MENU**

3 Press **▲** or **▼** to select AUTO.

CHANNEL SETUP

MANUAL

AUTO

CH ALLOCATION

PRESS: **▲/▼/ENTER/MENU**

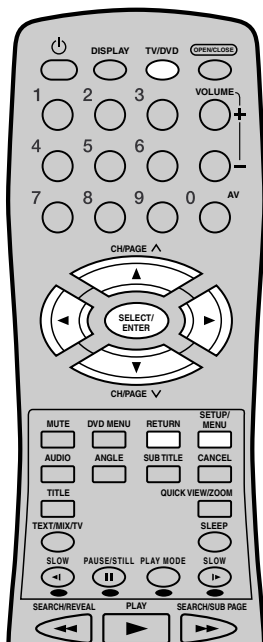
4 Then press **SELECT/ENTER**.
The auto search starts and all channels are stored automatically, in the order that they are found. As this may not necessarily be the correct order, you can change the sequence of the channels (see page 12).

CH 10

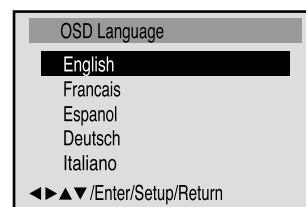
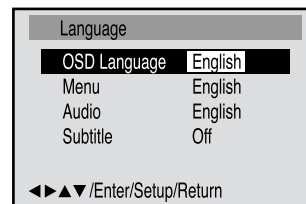


5 Press **SETUP/MENU** repeatedly until normal TV screen appears.

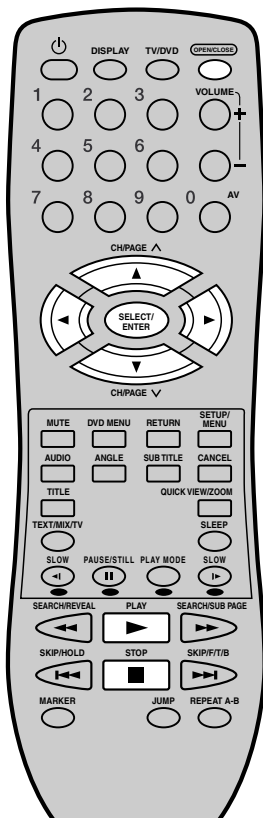
Setting Setup language for DVD



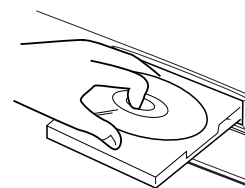
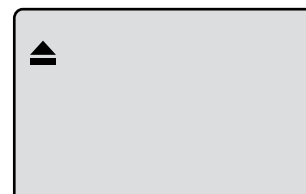
- 1 Press **TV/DVD** to select DVD mode.
- 2 Press **SETUP/MENU** in the stop mode. Press ▲ or ▼ to select "Language", then press ► or **SELECT/ENTER**. Press ▲ or ▼ to select "OSD Language", then press ► or **SELECT/ENTER**.
- 3 Press ▲ or ▼ to select desired language, then press **SELECT/ENTER**.
- 4 Press **SETUP/MENU** repeatedly until normal TV screen appears.



Playback



- 1 Press **OPEN/CLOSE**. The disc tray will open.
- 2 Place a disc onto the tray. Hold the disc, position it with the printed label side up, align it with the guides, and place it in its proper position.
- 3 Press **PLAY**. The disc tray closes automatically. The menu of DVD will be read automatically. It takes a few seconds.
- 4 Depending on the DVD, the start-up sequence will vary. Some DVDs indicate a menu screen. Press ▲ / ▼ or ◀ / ▶ to select the menu. Then press **SELECT/ENTER** to confirm the selection.



- 5 Press **STOP** to end playback - the unit will remember this point on the disc if you resume playback. However if you press stop again, the unit will clear the stopped point.